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**1. PRODUCT/PREPARATION/COMPANY**

Trade name: **HUMAN Endogenous Controls:**  
GAPDH, TUBB, PPIA, ACTB,  
YWHAZ, RRN18S, B2M, UBC, TBP,  
RPLP, GUSB & HPRT1

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Product Number: 33.002, 33.003, 33.004, 33.005, 33.006,  
33.007, 33.008, 33.009, 33.010, 33.011,  
33.012, 33.013.

Emergency number: please contact Biotools distributor in your country. Spain only: 91 562 04 20

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**2. HAZARDS IDENTIFICATION**

Not hazardous according to Directive 67/548/EC.

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**3. COMPOSITION OF THE PRODUCT/INFORMATION ON INGREDIENTS**

Chemical characterisation: liquid. Volume of product package: -

The product contains no substances which at their given concentration, are considered to be hazardous to health.

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**4. FIRST AID MEASURES****Skin contact**

Wash skin with water and soap and rinse thoroughly. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention.

**Eye contact**

Rinse opened eyes for at least 15 min with copious amounts of water. Check for and remove any contact lenses. Call a physician.

**Ingestion**

Do NOT induce vomiting unless directed to do so by medical personnel. Rinse mouth with plenty of water. Call a physician. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

**Inhalation**

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

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**5. FIRE FIGHTING MEASURES****Suitable extinguishing media**

Dry chemical powder. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Fire and explosion hazards**

Non flammable.

**Protective equipment**

Wear self-contained breathing apparatus and protective clothing for fire-fighting if necessary.

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**6. ACCIDENTAL RELEASE MEASURES****Personal precautions**

Wear protective gloves and safety glasses.

**Environmental precautions**

Product must not enter ground, sewerage system or water course.

**Measures for cleaning/collecting**

Keep in suitable, closed containers for disposal. Collect spilled liquid with liquid-binding material or inert absorbent and place it in a container for disposal. Wash spill site after material pickup is complete.

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**7. HANDLING AND STORAGE****Handling**

Always keep the containers tightly closed. Observe good laboratory technique when handling. Normal measures for preventive fire protection.

**Storage**

Store in the original container, at -15±8°C.

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**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION****Exposure limits**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace

**Eye protection**

Wear safety glasses

**Hand protection**

Wear protective gloves

**Skin protection**

Wear labcoat

**Hygiene measures**

General industrial hygiene practice.

**Breathing equipment**

Not required.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Form:** Liquid

**Colour:** Brown

**Odour:** Odorless

**Boiling point:** no data available.

**Flash point:** no data available

**Explosive properties:** no data available

**Vapor pressure:** no data available

**pH:** no data available

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**10. STABILITY AND REACTIVITY****Stability**

Stable under recommended storage conditions

**Hazardous decomposition products**

No data available.

**Conditions to avoid**

Avoid strong oxidising agents, fire.

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**11. TOXICOLOGICAL INFORMATION****Potencial Health Effects**

**Inhalation** No data available.

**Skin** No data available

**Eyes** No data available

**Ingestion** No data available

**Acute toxicity**

Oral: no data available

**Chronic exposure**

No data available.

**Sensitization**

Remarks: no data available

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**12. ECOLOGICAL INFORMATION**

Data not yet available

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**13. DISPOSAL CONSIDERATIONS**

Observe all federal, state and local environmental regulations.  
Controlled disposal in waste system. Product disposal (leftovers or residues resulting from normal use) does not pose any serious hazards in the adequate proportion.  
The product and packaging should be disposed of in accordance with the instructions of the local authorities.

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**14. TRANSPORT INFORMATION**

**RID/ADR**

Non-hazardous for road transport

**IATA**

Non-hazardous for air transport

**IMDG**

Non-hazardous for sea transport

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**15. REGULATORY INFORMATION**

This substance is not classified as dangerous according to Directive 67/548/EEC.

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**16. OTHER INFORMATION**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge, and is applicable to the product with regards to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Biotools, B & M Labs, S.A. shall not be held liable for any damage resulting from handling or from contact with the above product.

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