

HEXA Protein, Human, Recombinant (Subunit A, His)

General Information

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| Synonyms: | hexosaminidase A (alpha polypeptide);hexosaminidase A (α polypeptide);TSD |
| Protein Construction: | A DNA sequence encoding the human HEXA (AAD13932.1) (Met 1-Thr 529) was fused with a polyhistidine tag at the C-terminus. Predicted N terminal: Leu 23 |
| Species: | Human |
| Expression Host: | Baculovirus Insect Cells |
| Accession: | AAD13932.1 |
| Molecular Weight: | 59.7 kDa (predicted); 64 kDa (reducing conditions) |

QC Testing

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| Biological Activity: | Measured by its ability to hydrolyze 4-methylumbelliferyl-N-acetyl- β -D-glucosaminide (4-MU-Glc-NAc). The specific activity is >1,250 pmoles/min/ μ g. |
| Purity: | > 95 % as determined by SDS-PAGE |
| Endotoxin: | < 1.0 EU/ μ g of the protein as determined by the LAL method. |
| Formulation: | Lyophilized from a solution filtered through a 0.22 μ m filter, containing 20 mM Tris, 500 mM NaCl, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization. |

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Shipping:

In general, Lyophilized powders are shipping with blue ice.

Reference

- Norflus,F. et al., 1996, DNA Cell Biol. 15 (2):89-97.
- Kaufman M., et al., 1997, Hum. Mutat. 10:295-300.
- Tanaka A., et al., 2003, J. Hum. Genet. 48:571-574.
- Chen R., et al., 2009, J. Proteome Res. 8:651-661.
- Burkard T.R., et al., 2011, BMC Syst. Biol. 5:17-17.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481