

Human HexB Protein (C-His)

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| Catalog Number: | 603301, 603302 |
| Size: | 25 ug, 100 ug |
| Target Name: | Hexosaminidase B |
| Regulatory Status: | RUO |

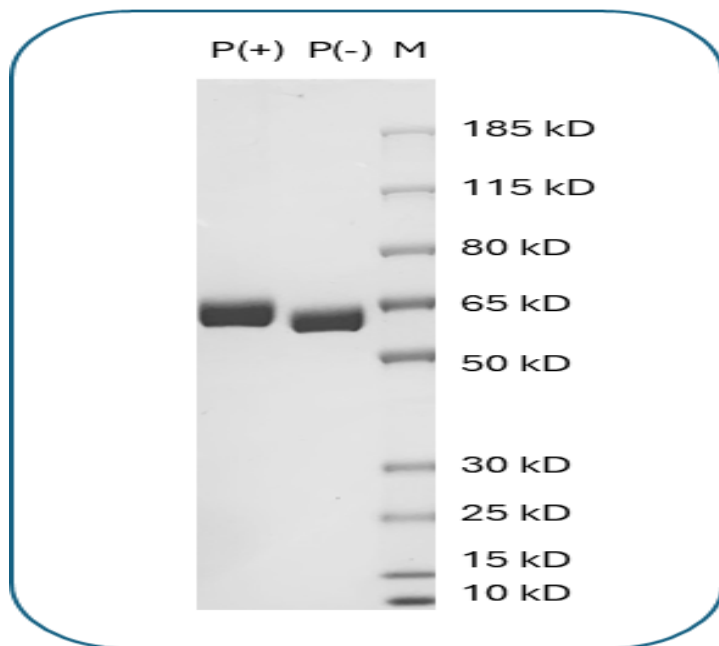
PRODUCT DETAILS

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| Application: | ELISA |
| Format: | Liquid, Purified |
| Expression Host: | HEK293 |
| Species: | Human |
| Accession Number: | P07686 |
| Sources: | Human HexB (Ala43-Met556) protein with C-terminus His tag is expressed in HEK293 cells. |
| Molecular Weight: | This protein has a predicted molecular weight of 60.1 kDa. Under DTT-reducing conditions, the protein migrates at approximately 65 kDa on SDS-PAGE. |
| Affinity Tag: | C-His |
| Purity: | >95% based on SDS-PAGE under reducing condition |
| Formulation: | 25 mM Tris, 150 mM NaCl, pH 7.5 (0.2 μ m filtered) |
| Endotoxin level: | Not tested |
| Protein Concentration: | 25 μ g size is bottled at 0.2mg/mL concentration. 100 μ g size is supplied at a lot-specific concentration. |
| Storage and Handling: | Briefly centrifuge the vial upon receipt. An unopened vial can be stored at 4°C for up to 2 weeks, or at -20°C or below for up to six months. The protein may be further diluted to 0.1 mg/mL using 0.22 μ m-filtered 25 mM Tris, 150 mM NaCl, pH 7.5. For long-term storage, the diluted stock solution should be aliquoted and stored at \leq -70°C to minimize freeze-thaw cycles. If additional dilution is required, carrier proteins such as FBS or BSA should be added to maintain protein stability. |

BACKGROUND INFORMATION

Beta-hexosaminidases are lysosomal enzymes that hydrolyze terminal N-acetyl-D-hexosamine residues from GM2 gangliosides and globo-sphingolipids. They exist in three isoforms: Hex A ($\alpha\beta$), Hex B ($\beta\beta$), and Hex S ($\alpha\alpha$), formed by different combinations of α and β subunits encoded by the HEXA and HEXB genes. Recombinant HexB corresponds to Hex B isoform.

PRODUCT DATA



Purified HexB (C-His) final product on SDS-PAGE under non-reducing (P-) and reducing (P+) conditions. The purity of HexB appears to be greater than 95%.