Active Recombinant Mouse P4hb protein, His-tagged

Cat. No. P4hb-1130M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse P4hb protein(NP_035162.1)(Met1-Lys506), fused with His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Lys506
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Measured by its ability to promote aggregation of insulin in the presence of DTT. The specific activity is > 7.5 A650/min/mg
Molecular Mass	The secreted recombinant mouse P4HB comprises 498 amino acids and has a calculated molecular mass of 56.2 kDa as estimated in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	P4hb prolyl 4-hydroxylase, beta polypeptide [Mus musculus]
Official Symbol	P4hb
Synonyms	P4HB; prolyl 4-hydroxylase, beta polypeptide; protein disulfide-isomerase; p55; ER protein 59; protein disulfide isomerase; prolyl 4-hydroxylase subunit beta; cellular thyroid hormone-binding protein; endoplasmic reticulum resident protein 59; PDI; Thbp; ERp59; Pdia1;
Gene ID	18453
mRNA Refseq	NM_011032
Protein Refseq	NP_035162

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