Datasheet for ABIN5854508

P4HB Protein (AA 20-509) (His tag)

1 Image

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Overview

Quantity:	50 µg
Target:	P4HB
Protein Characteristics:	AA 20-509
Origin:	Mouse
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This P4HB protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	DALEEEDNVL VLKKSNFEEA LAAHKYLLVE FYAPWCGHCK ALAPEYAKAA AKLKAEGSEI RLAKVDATEE SDLAQQYGVR GYPTIKFFKN GDTASPKEYT AGREADDIVN WLKKRTGPAA TTLSDTAAAE SLVDSSEVTV IGFFKDVESD SAKQFLLAAE AIDDIPFGIT SNSGVFSKYQ LDKDGVVLFK KFDEGRNNFE GEITKEKLLD FIKHNQLPLV IEFTEQTAPK IFGGEIKTHI LLFLPKSVSD YDGKLSSFKR AAEGFKGKIL FIFIDSDHTD NQRILEFFGL KKEECPAVRL ITLEEEMTKY KPESDELTAE KITEFCHRFL EGKIKPHLMS QEVPEDWDKQ PVKVLVGANF EEVAFDEKKN VFVEFYAPWC GHCKQLAPIW DKLGETYKDH ENIIIAKMDS TANEVEAVKV HSFPTLKFFP ASADRTVIDY NGERTLDGFK KFLESGGQDG AGDDEDLDLE EALEPDMEED DDQKAVKDEL LEHHHHHH
Purity:	> 95 % by SDS - PAGE

Product Details

Endotoxin Level:	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Biological Activity Comment:	Specific activity is >120 A650/cm/min/mg, obtained by measuring the increase of insulin precipitation in absorbance at 650nm resulting from the reduction of insulin.

Target Details

Target:	P4HB
Alternative Name:	P4HB (P4HB Products)
Background:	P4HB, also known as protein disulfide-isomerase, prolyl 4-hydroxylase subunit beta, protocollagen hydroxylase, cellular thyroid hormone binding protein p55 and glutathione-insulin transhydrogenase, is an abundant multifunctional enzyme that belongs to the protein disulfide isomerase family. At the cell surface, it seems to act as a reductase that cleaves disulfide bonds of proteins attached to the cell. Recombinant mouse P4HB, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	56.1kDa (498aa) 50-70KDa (SDS-PAGE under reducing conditions)
NCBI Accession:	NP_035162
UniProt:	P09103
Pathways:	Maintenance of Protein Location, Cell RedoxHomeostasis, Lipid Metabolism

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Bioactivity Validated
Restrictions:	For Research Use only

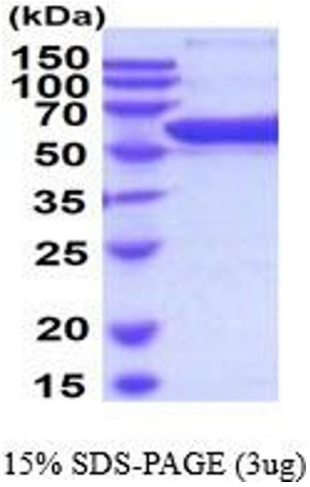
Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or

Handling

-70C. Avoid repeated freezing and thawing cycles.

Images



15% SDS-PAGE (3ug)

SDS-PAGE

Image 1.