

DPYSL5 recombinant protein

Purified Recombinant DPYSL5 protein (His tag)

CATALOG # AAA224734	HOST Human	APPLICATIONS Western Blot, SDS-Page
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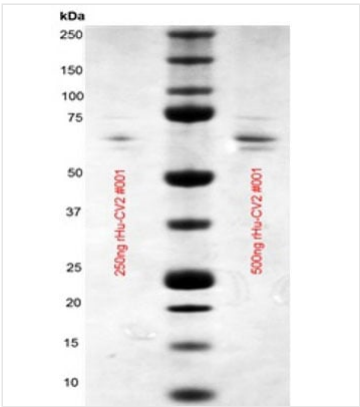
PRODUCT SYNONYMS

DPYSL5; Purified Recombinant DPYSL5 protein (His tag); BMP binding endothelial regulator protein; BMP-binding endothelial regulator precursor protein protein; BMPER protein; bone morphogenetic protein-binding endothelial cell precursor-derived regulator protein; CRIM3 protein; crossveinless 2 protein; crossveinless-2 protein; CV-2 protein; CV2 protein; Q8N8U9 protein; DPYSL5 recombinant protein

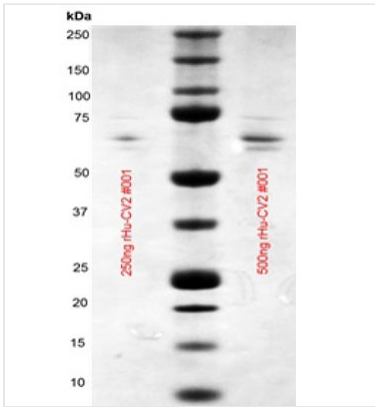
PRODUCT SPECIFICATIONS

Host	Human
Purity/Purification	> 85% pure Purified using proprietary chromatographic techniques
Form/Format	Frozen liquid in 50mM Tris-HCl, pH 8.5, with 150mM NaCl, 2mM DTT, 1mM EDTA, and 10% Glycerol.
Sequence Length	1-564 aa
Applicable Applications for DPYSL5 recombinant protein	WB (Western Blot), SDS-PAGE
Grade	Recombinant
Biohazard	Use standard laboratory precautions when handling this material
Species	Human
Residues	1-564 aa
Biological Significance	DPYSL5 is a secreted protein that interacts with, and inhibits bone morphogenetic protein (BMP) function. It has been shown to inhibit BMP2- and BMP4-dependent osteoblast differentiation and BMP-dependent differentiation of the chondrogenic cells. DPYSL5 is a member of the collapsin response mediator protein family (CRMPs) which are involved in an autoimmune disease associated with small cell lung carcinoma. Members of the CRMP family, such as DPYSL5, are believed to play a role in growth cone guidance during neural development.
Expression	DPYSL5 is highly expressed in lung, and brain and also in primary chondrocytes.
Implications in Disease	Defects in DPYSL5 are the cause of diaphanospondylodysostosis (DSD), a rare, recessively inherited, perinatal lethal skeletal disorder, the characteristics of which include a small chest, abnormal vertebral segmentation, as well as craniofacial abnormalities.
Sequence Information	DPYSL5 is composed of 564 amino acids with a molecular weight of 65 kDa. CV2 contains 1 TIL (trypsin inhibitory-like) domain, 5 VWFC domains and 1 VWFD domain.
Post-Translational Modifications	Glycosylation of DPYSL5 occurs at Asn116, Asn247, Asn255, Asn318, Asn441
Preparation and Storage	Ships on dry ice. Upon receipt store at -70°C

IMAGES



WB (Western Blot)



WB (Western Blot)

ADDITIONAL INFORMATION

Product Categories/Family for DPYSL5 recombinant protein	Proteases; Inhibitors; Enzymes; Conjugated Proteins
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NCBI AND UNIPROT INFORMATION

NCBI GI #	12804043
NCBI GeneID	56896
Molecular Weight	65 kDa
NCBI Official Full Name	DPYSL5 protein
NCBI Official Synonym Full Names	dihydropyrimidinase like 5
NCBI Official Symbol	DPYSL5
NCBI Official Synonym Symbols	CRAM; CRMP5; Ulip6; CRMP-5
NCBI Protein Information	dihydropyrimidinase-related protein 5
UniProt Protein Name	Dihydropyrimidinase-related protein 5
UniProt Gene Name	DPYSL5
UniProt Synonym Gene Names	CRMP5; ULIP6; DRP-5; CRAM; CRMP-5; ULIP-6

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/dpysl5-recombinant-protein-human-wb-western-blot-sds-page/224734>