

Recombinant Human PROM1 Protein (508-792 aa), His-tagged

Cat. No. PROM1-1493H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PROM1 Protein (508-792 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Epigenetics and Nuclear Signaling. Protein Description: Partial.
Species	Human
Source	Yeast
ProteinLength	508-792 aa
Description	May play a role in cell differentiation, proliferation and apoptosis . Binds cholesterol in cholesterol-containing plasma mbrane microdomains and may play a role in the organization of the apical plasma mbrane in epithelial cells. During early retinal development acts as a key regulator of disk morphogenesis. Involved in regulation of MAPK and Akt signaling pathways. In neuroblastoma cells suppresses cell differentiation such as neurite outgrowth in a RET-dependent manner.
Form	Tris-based buffer,50% glycerol
Molecular Mass	34.2 kDa
AA Sequence	GANVEKLICEPYTSKELFRVLDTPYLLNEDWEYYLSGKLFNKSMMKLTFEQVYSDCK KNRGTYGTLHLQNSFNISEHLNINEHTGSISSELESKVNLNIFLLGAAGRKNLQDFAA CGIDRMNYDSYLAQTGKSPAGVNLLSFAYDLEAKANSLPPGNLRNSLKRDAQTIKTI HQQRVLPSEQSLSTLYQSVKILQRTGNGLLERVTRILASLDFAQNFITNNTSSVIEETK

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	KYGRTIIGYFEHYLQWIEFSISEKVASCKPVATALDTAVDVFLCSYIIDPLN
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name	PROM1 prominin 1 [Homo sapiens]
Official Symbol	PROM1
Synonyms	PROM1; prominin 1; prominin-1; AC133; CD133; RP41; MCDR2; STGD4; CORD12; PROML1; MSTP061;
Gene ID	8842
mRNA Refseq	NM_001145847
Protein Refseq	NP_001139319
MIM	604365

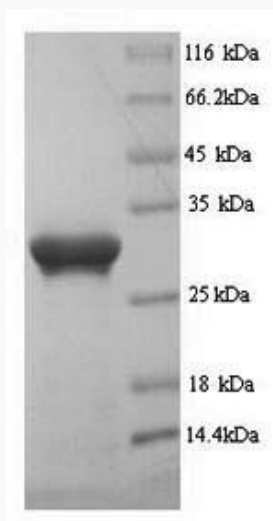
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UniProt ID

O43490



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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