

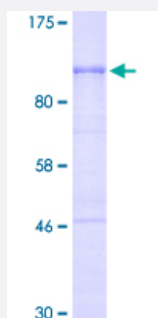
Full-Length

PROM1 (Human) Recombinant Protein (P01)

Catalog # H00008842-P01

Size 10 ug, 25 ug

Applications



Specification

Product Description

Human PROM1 full-length ORF (AAH12089.1, 1 a.a. - 856 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MALVLGSLLLLGLCGNSFSGGQPSSTDAPKAWNYELPATNYETQDSHKAGPIGILFELVHIFLYVV
QPRDFPEDTLRKFLQKAYESKIDYDKMYEAGIILCCVLGLLFILMPLVGYFFCMCRCCNKCGGEM
HQRQKENGPFRLKCF AISLLVICIIISIGIFYGFVANHQVRTRIKRSRKLADSNFKDLRTLLNETPEQIKY
ILAQYNTTKDKAFTDLNSINSVLGGGILDRLRPNIIPVLDEIKSMATAIKETKEALENMNSTLKS LHQQ
STQLSSSLTSVKTS LRSSLNDPLCLVHPSETCNSIRLSLSQLNSNPELRQLPPVDAELDNVNNVL
RTDL DGLVQQGYQSLNDIPDRVQRQT TTVVAGIKRVLNSIGSDIDNV TQRLPIQDILSAFSVYVNTE
SYIHRNLP TLEEYDSYWWLGGVLICSLTLMIFYLGLLCGVCYDRHATPTTRGCVSNTGGVFLMV
GVGLSFLFCWILMIVLTFVFGANVEKLICEPYTSKELFRVLDTPYLLNEDWEYLSGKLFNKSKM
KLTFEQVYSDCKKNRGTYGTLHLQNSFNISEHLNINEHTGSISSELES LKVNLFLLGAAGRKNLQD
FAACGIDRMNYDSYLAQTGKSPAGVNLLSFAYDLEAKANS LPPGNLRNSLKRDAQTIKTIHQQRVL
PIEQSLSTLYQSVKILQRTGNGLLERVTRILASL DFAQNFITNNTSSVIEETKKYGR TIIGYFEHYLQWI
EFSISEKVASCKPVATALD TAVDVFLCSYIIDPLNLFWFVGIGKATVFLLPALIFAVKLAKYYRRMDSE
DVYDDVETIPMKNMENGNGYHKD HVYGIHNPVMTSPSQH

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

122.7

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PROM1

Entrez GeneID	8842
GeneBank Accession#	BC012089.1
Protein Accession#	AAH12089.1
Gene Name	PROM1
Gene Alias	AC133, CD133, MSTP061, PROML1, RP41
Gene Description	prominin 1
Omim ID	604365
Gene Ontology	Hyperlink

Gene Summary	This gene encodes a pentaspan transmembrane glycoprotein. The protein localizes to membrane protrusions and is often expressed on adult stem cells, where it is thought to function in maintaining stem cell properties by suppressing differentiation. Mutations in this gene have been shown to result in retinitis pigmentosa and Stargardt disease. Expression of this gene is also associated with several types of cancer. This gene is expressed from at least five alternative promoters that are expressed in a tissue-dependent manner. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
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Other Designations	hProminin hematopoietic stem cell antigen prominin-like 1
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Disease

- [Carcinoma](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Neoplasms](#)
- [Recurrence](#)
- [Tobacco Use Disorder](#)