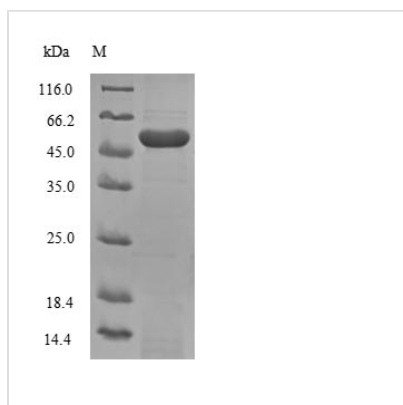




Recombinant Mouse Prominin-1 (Prom1),Partial

Product Code	CSB-EP018751MO
Relevance	May play a role in cell differentiation, proliferation and apoptosis. Binds cholesterol in cholesterol-containing plasma membrane microdomains and may play a role in the organization of the apical plasma membrane 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.
Abbreviation	Recombinant Mouse Prom1 protein, partial
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	O54990
Alias	Antigen AC133 homolog Prominin-like protein 1 CD_antigen: CD133
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	GANVEKLLCEPYENKKLLQVLDTPYLLKEQWQFYLSGMLFNNPDINMTFEQVY RDCKRGRGIYAAFQLENNVSDHFNIDQISENINTELENLNVNIDSIELLDNTG RKSLEDFAHSGIDTIDYSTYLLKETEKSPTEVNLLTFASTLEAKANQLPEGKPKQ AFLLDVQNIRAIHQHLLPPVQQSLNLTQRQSVWTLQQTSNKLPEKVKKILASLDS VQHFLTNNVSLVIGETKKFGKTILGYFEHYLHWVFYAITEKMTSCKPMATAMD SAVNGILCGYVADPLN
Research Area	others
Source	E.coli
Target Names	Prom1
Expression Region	509-794aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6XHis-SUMO-tagged
Mol. Weight	48.5kDa
Protein Length	Extracellular Domain
Image	



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

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.