

Active Recombinant Human PROM1 protein, His-tagged(Nanodisc)

Cat. No. PROM1-3572H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PROM1 protein(O43490-1)(Gly 20 - His 865) is expressed from HEK293 with His tag.
Species	Human
Source	HEK293
ProteinLength	Gly 20 - His 865
Form	Supplied as 0.2 µm filtered solution in 20 mM HEPES, 150 mM NaCl, pH7.5 with trehalose as protectant.
Bio-activity	Immobilized Human CD133 Full Length Protein, His Tag at 1 µg/mL (100 µL/well) can bind Monoclonal Anti-Human CD133 Antibody, Human IgG1 with a linear range of 0.2-4 ng/mL.
Molecular Mass	The CD133 carries a polyhistidine tag at the C-terminus with calculated MW of 97.2 kDa and migrates as 100-115 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. The membrane scaffold protein (MSP1D1) has calculated MW of 24.7 kDa, and it migrates as 25 kDa under reducing (R) condition (SDS-PAGE).
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	This product is stable after storage at: The product MUST be stored at -70°C or lower upon receipt; -70°C for 3 months under sterile conditions.
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Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
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GENE INFORMATION

Gene Name	PROM1 prominin 1 [Homo sapiens]
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Official Symbol	PROM1
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Synonyms	PROM1; prominin 1; macular dystrophy, retinal 2 , MCDR2, prominin (mouse) like 1 , PROML1, Stargardt disease 4 (autosomal dominant) , STGD4; prominin-1; AC133; CD133; RP41; hProminin; antigen AC133; prominin-like protein 1; hematopoietic stem cell antigen; MCDR2; STGD4; CORD12; PROML1; MSTP061;
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Gene ID	8842
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mRNA Refseq	NM_001145847
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Protein Refseq	NP_001139319
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MIM	604365
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UniProt ID	O43490
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