

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

Cat. No. PROM1-3972H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Biotinylated Recombinant Human PROM1 protein(O43490-1)(Gly 20 - His 865) is expressed from HEK293 with His tag and Avi tag.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Gly 20 - His 865
<b>Form</b>	Supplied as 0.2 µm filtered solution in 20 mM HEPES, 150 mM NaCl, pH7.5 with trehalose as protectant.
<b>Bio-activity</b>	Immobilized Biotinylated Human CD133 Protein, His,Avitag at 1 µg/mL (100 µL/well) on streptavidin precoated (0.5 µg/well) plate can bind Monoclonal Anti-Human CD133 Antibody, Human IgG1 with a linear range of 0.6-78 ng/mL.
<b>Molecular Mass</b>	The protein has a calculated MW of 98.9 kDa. The protein migrates as 90-110 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).
<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.
<b>Purity</b>	>80% as determined by SDS-PAGE.

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<b>Storage</b>	This product is stable after storage at: The product <b>MUST</b> be stored at -70°C or lower upon receipt; -70°C for 3 months under sterile conditions.
<b>Reconstitution</b>	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.
<b>Conjugation</b>	Biotin
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	PROM1 prominin 1 [ Homo sapiens ]
<b>Official Symbol</b>	PROM1
<b>Synonyms</b>	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;
<b>Gene ID</b>	8842
<b>mRNA Refseq</b>	NM_001145847
<b>Protein Refseq</b>	NP_001139319
<b>MIM</b>	604365
<b>UniProt ID</b>	O43490

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