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

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

SPECIFICATION

Product Overview	Biotinylated Recombinant Human PROM1 protein(O43490-1)(Gly 20 - His 865) is expressed from HEK293 with His tag and Avi 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 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.
Molecular Mass	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).
Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>80% as determined by SDS-PAGE.

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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.
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.
Conjugation	Biotin

GENE INFORMATION

Gene Name	PROM1 prominin 1 [Homo sapiens]
Official Symbol	PROM1
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;
Gene ID	8842
mRNA Refseq	NM_001145847
Protein Refseq	NP_001139319
MIM	604365
UniProt ID	O43490

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