PRODUCT INFORMATION

Target	PROM1
Synonyms	AC133;CD133;CORD12;MCDR2;MSTP061;PROML1;RP41;STGD4
Description	Recombinant human PROM1 protein with N-terminal Human Fc tag
Delivery	In Stock
Uniprot ID	O43490
Expression Host	HEK293
Tag	N-Human Fc Tag
Molecular Characterization	hFc(Glu99-Ala330) PROM1 (Gly20-Gly108)
Molecular Weight	The protein has a predicted molecular mass of 36.6 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 90% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage & Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	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.
Usage	Research use only
Conjugate	Unconjugated

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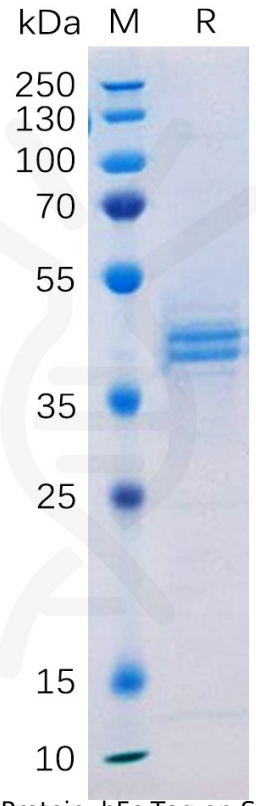

Figure 1. Human PROM1 Protein, hFc Tag on SDS-PAGE under reducing condition.

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