PRODUCT INFORMATION

Target	PROM1
Synonyms	Prom; AC133; CD133; Prom-1; Proml1; 4932416E19Rik
Description	Recombinant mouse PROM1 protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	O54990
Expression Host	HEK293
Tag	C-Human Fc tag
Molecular Characterization	Mouse PROM1(Glu20-Glu107) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 36.1 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 95% 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.
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	Predicted to enable actinin binding activity; cadherin binding activity; and cholesterol binding activity. Involved in camera-type eye photoreceptor cell differentiation and retina layer formation. Located in several cellular components, including brush border; photoreceptor outer segment; and prominosome. Is integral component of plasma membrane. Is expressed in several structures, including epithelium; eye; future hindbrain; genitourinary system; and nervous system. Used to study retinitis pigmentosa 41. Human ortholog(s) of this gene implicated in cone-rod dystrophy 12 and retinitis pigmentosa 41. Orthologous to human PROM1 (prominin 1). [provided by Alliance of Genome Resources, Apr 2022]
Usage	Research use only
Conjugate	Unconjugated

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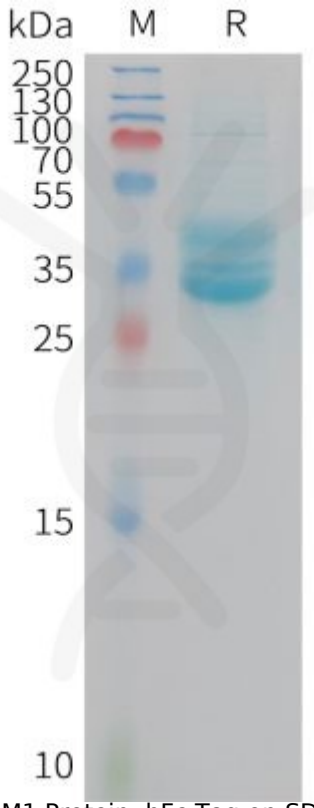


Figure 1. Mouse PROM1 Protein, hFc Tag on SDS-PAGE under reducing condition.

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