

Recombinant Rat Prom1 protein(Asn171-Tyr424), mFc-tagged

Cat. No. Prom1-120R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat PROM1 (NP_001103607.1) (Asn171-Tyr424) was expressed in HEK293 with the Fc region of Mouse IgG1 at the N-terminus.
Species	Rat
Source	HEK293
ProteinLength	Asn171-Tyr424
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant Rat PROM1 comprises 490 amino acids and predicts a molecular mass of 55.1 kDa. The apparent molecular mass of the recombinant protein is approximately 67 and 34 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 90 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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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.

GENE INFORMATION

Gene Name	Prom1 prominin 1 [<i>Rattus norvegicus</i>]
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Official Symbol	Prom1
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Synonyms	PROM1; prominin 1; fudenine; Prom; CD133; MGC156650;
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Gene ID	60357
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mRNA Refseq	NM_001110137
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Protein Refseq	NP_001103607
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