

Recombinant Human Prominin 1, GST-tagged

Cat. No. PROM1-73H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PROM1 (693 a.a. - 790 a.a.) fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	Wheat Germ
Description	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.
Molecular Mass	36.52 kDa
Sequence	STLYQSVKILQRTGNGLLERVTRILASLDFAQNFITNNTSSVIIIEETKKYGRTIIGYFEH YLQWIEFSISEKVASCKPVATALDTAVDVFLCSYIIDP
Storagebuffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH 8.0 in the elution buffer.
Applications	ELISA; WB

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Storage	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
OfficialSymbol	PROM1
GENE INFORMATION	
Gene Name	PROM1 prominin 1 [Homo sapiens]
Synonyms	prominin 1; prominin (mouse)-like 1; AC133; Stargardt disease 4 (autosomal dominant); CD133; OTTHUMP00000217744; RP41; OTTHUMP00000217745; PROML1; OTTHUMP00000217746; Antigen AC133; hProminin; Prominin-like protein 1; hematopoietic stem cell antigen; CORD12; prominin-1; MCDR2; prominin-like 1; STGD4; CD133 antigen; macular dystrophy, retinal 2; MSTP061
Gene ID	8842
mRNA Refseq	NM_006017
Protein Refseq	NP_006008
MIM	604365
UniProt ID	O43490
Chromosome Location	4p15.32
Function	actinin binding; cadherin binding; protein binding