PECAM-1 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	PECAM-1, Recombinant Protein
Full Product Name	Human PECAM-1 Recombinant Protein Lyophilized
Product Gene Name	PECAM-1 recombinant protein
Product Synonym Gene Name	PECAM1
Host	HEK293 cells
Form/Format	Lyophilized
Purity/Purification	Greater than or equal to 97% by SDS-PAGE gel and HPLC analyses.
Preparation and Storage	The lyophilized PECAM-1 recombinant protein is stable for at least 2 years from date of receipt at -20 degree C. Reconstituted PECAM-1 is stable for at least 3 months when stored in working aliquots with a carrier protein at -20 degree C. As with any protein, exposing PECAM-1 recombinant protein to repeated freeze/thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.
Species	Human
Related Product Information for PECAM-1 recombinant protein	Human PECAM-1 Recombinant Protein Lyophilized has been recombinantly produced in HEK293 cells. PECAM is transmembrane glycoprotein that belongs to the Ig-related superfamily of adhesion molecules. It is highly expressed at endothelial cell junctions, and also expressed in platelets and in most leukocyte sub-types. The primary function of PECAM-1 is the mediation of leukocyte-endothelial cell adhesion and signal transduction. PECAM-1 has been implicated in the pathogenesis of various inflammation related disorders, including thrombosis, multiple sclerosis (MS), and rheumatoid arthritis. The human PECAM-1 gene codes for a 738 amino acid transmembrane glycoprotein containing a 118 amino acid cytoplasmic domain, a 19 amino acid transmembrane domain, and a 574 amino acid extracellular domain. Recombinant human PECAM-1 is a 572 amino acid glycoprotein comprising the extracellular domain of PECAM-1. Monomeric glycosylated PECAM-1 migrates at an apparent molecular weight of approximately 80.0-95.0 kDa by SDS-PAGE analysis under reducing conditions .
Other Notes	Small volumes of PECAM-1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PECAM-1 purchase	MBS8433129 is a recombinant protein targeting PECAM-1. Also known as Human PECAM-1 Recombinant Protein Lyophilized. Host: HEK293 cells.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PECAM-1. It may not necessarily be applicable to this product.

Protein Family	Platelet endothelial cell adhesion molecule
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