Active Recombinant Human Platelet Endothelial Aggregation Receptor 1, His-tagged

Cat. No. PEAR1-498H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PEAR1protein was expressed in CHO with a C-terminal 6-His tag. Leu21-Ser754.
Species	Human
Source	CHO
ProteinLength	21-754 a.a.
Description	PEAR1 is a 150 kDatype I transmembrane protein and member of the MEGF family of proteins. HumanPEAR1 is synthesized as a 1037 amino acid (aa) precursor that contains a 20aa signal sequence, a 735 aa extracellular domain (ECD), a 21 aatransmembrane region, and a 261 aa cytoplasmic region.
Form	Lyophilized from a0.2 μm filtered solution in PBS.
N-terminalSequence	Leu21
Molecular Weight	78.3 kDa
Activity	Measuredby the ability of the immobilized protein to support the adhesion of thrombinactivated human platelets. When 5 x 106 cells per well are addedto rhPEAR1 coated plates (1 μg/mL, 100 μL/ well), approximately 50%-70% willadhere after 1 hour at 37°C.

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Endotoxin Level	<1.0 EUper 1 μg of the protein by the LAL method.
SDS-PAGE	120-130kDa, reducing conditions.
Purity	>90%,by SDS-PAGE under reducing conditions and visualized by silver stain.
Reconstitution	200 μg/ mLin PBS
Storage	Use amanual defrost freezer and avoid repeated freeze-thaw cycles. 12 months fromdate of receipt, -20 to -70°C as supplied. 1 month, 2 to 8 °C under sterileconditions after reconstitution. 3 months, -20 to -70°C under sterileconditions after reconstitution.

GENE INFORMATION

Gene Name	PEAR1 platelet endothelialaggregation receptor 1 [Homo sapiens]
Official Symbol	PEAR1
Synonyms	PEAR1; plateletendothelial aggregation receptor 1; JEDI; MEGF12; FLJ00193; Hpear1; multipleEGF-like-domains 12; multiple EGF-like domains protein 12; multiple epidermalgrowth factor-like domains protein 12; OTTHUMP00000038718
Gene ID	375033
mRNA Refseq	NM_001080471
Protein Refseq	NP_001073940
MIM	610278

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UniProt ID	Q5VY43
Chromosome Location	1q23.1

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