IGSF3 Recombinant Protein

PRODUCT OVERVIEW

Product Name	IGSF3, Recombinant Protein
Full Product Name	IGSF3 Protein, Human, Recombinant (His Tag)
Product Gene Name	IGSF3 recombinant protein
Product Synonym Names	Human IGSF3/EWI-3 Protein (His Tag); EWI-3 Protein, Human; LCDD Protein, Human; V8 Protein, Human; immunoglobulin superfamily, member 3
Sequence	Met1-Ala11 24
Host	HEK293 Cells
Form/Format	Lyophilized from sterile PBS, pH7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Purity/Purification	>98% as determined by SDS-PAGE
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice.
Molecular Weight	137,516 Da
OMIM	603491
3D Structure	ModBase 3D Structure for O75054
Species	Human
Endotoxin	<1.0EU per ug of the protein as determined by the LAL method
Predicted N Terminal	Gln 20
Tag	C-His
Protein Construction	A DNA sequence encoding the human IGSF3 isoform 1 (O75054-1) extracellular domain (Met 1-Ala 1124) was expressed, with a C-terminal polyhistidine tag.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
Related Product Information for IGSF3 recombinant protein	Background: Immunoglobulin superfamily member 3 (IGSF3), also known as Glu-Trp-Ile EWI motif-containing protein 3, IgSF3 and EWI-3 and IGSF3, is a single-pass type I membrane protein that belongs to the EWI subfamily of the Ig superfamily of molecules. IGSF3 has an overall structural similarity and strong sequence similarity to V7, a human leukocyte surface protein. IGSF3 contains eight Ig-like C2-type (immunoglobulin-like) domains. IGSF3 is expressed in a wide range of tissues with high expression in the placenta, kidney, and lung. EWI-2 is part of a novel Ig subfamily that includes EWI-F (F2alpha receptor regulatory protein (FPRP), CD9P-1), EWI-3 (IGSF3), and EWI-101 (CD101). All four members of this Ig subfamily contain a Glu-Trp-Ile (EWI) motif not seen in other Ig proteins. Human IGSF3 shares 92 % aa identity with mouse IGSF3.
Product References and Citations for IGSF3 recombinant protein	Saupe S, et al. (1998) Molecular cloning of a human cDNA IGSF3 encoding an immunoglobulin-like membrane protein: expression and mapping to chromosome band 1p13. Genomics. 52(3): 305-11.Lazaar AL, et al. (2001) VCAM-1 activates phosphatidylinositol 3-kinase and induces p120Cbl phosphorylation in human airway smooth muscle cells. J Immunol. 166(1): 155-61.Wetzel A, et al. (2004) Human Thy-1 (CD90) on activated endothelial cells is a counterreceptor for the leukocyte integrin Mac-1 (CD11b/CD18). J Immunol. 172(6): 3850-9.

Other Notes	Small volumes of IGSF3 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 IGSF3 purchase	MBS8120774 is a recombinant protein targeting IGSF3. Also known as IGSF3 Protein, Human, Recombinant (His Tag). Host: HEK293 Cells.



SDS-Page of IGSF3 recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IGSF3. It may not necessarily be applicable to this product.

NCBI GI #	55953135
NCBI GeneID	3321
NCBI Accession #	NP_001007238
UniProt Primary Accession #	O75054
UniProt Secondary Accession #	A6NJZ6; A6NMC7
UniProt Related Accession #	O75054
GenBank Nucleotide #	NM_001007237
NCBI Official Full Name	immunoglobulin superfamily member 3 isoform 2
NCBI Official Synonym Full Names	immunoglobulin superfamily, member 3
NCBI Official Symbol	IGSF3
NCBI Official Synonym Symbols	V8; LCDD; EWI-3
UniProt Protein Name	Immunoglobulin superfamily member 3
UniProt Synonym Protein Names	Glu-Trp-Ile EWI motif-containing protein 3; EWI-3
Protein Family	Immunoglobulin superfamily
UniProt Gene Name	IGSF3
UniProt Synonym Gene Names	EWI3; KIAA0466; IgSF3; EWI-3
UniProt Entry Name	IGSF3_HUMAN
NCBI Protein Information	immunoglobulin superfamily member 3; glu-Trp-Ile EWI motif-containing protein 3; immunoglobin superfamily, member 3
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