VISTA Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	VISTA, Recombinant Protein
Full Product Name	Recombinant Mouse VISTA Protein
Product Gene Name	VISTA recombinant protein
Product Synonym Gene Name	C10orf54
Product Synonym Names	SISP1; Platelet receptor Gi24; Stress-induced secreted protein-1; Sisp-1
Sequence	FKVTTPYSLY VCPEGQNATL TCRILGPVSK GHDVTIYKTW YLSSRGEVQM CKEHRPIRNF TLQHLQHHGS HLKANASHDQ PQKHGLELAS DHHGNFSITL RNVTPRDSGL YCCLVIELKN HHPEQRFYGS MELQVQAGKG SGSTCMASNE QDSDSITAAH HHHHH
Host	Human Cells
Form/Format	Lyophilized from a 0.2 mum filtered solution of PBS, pH7.4.
Purity/Purification	>95% as determined by reducing SDS-PAGE
Preparation and Storage	Lyophilized protein should be stored at -20 degree C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8 degree C for 2-7 days. Aliquots of reconstituted samples are stable at -20 degree C for 3 months.
3D Structure	ModBase 3D Structure for Q9D659
Endotoxin	Less than 0.1 ng/ug (1 IEU/ug) as determined by LAL test.
Applications Tested/Suitable for VISTA recombinant protein	ELISA (EIA), Western Blot (WB), SDS-PAGE
Related Product Information for VISTA recombinant protein	Recombinant Mouse VISTA Protein is produced by mammalian expression system and the target gene encoding Phe33-Ala191 is expressed fused with a 6His tag at the C-terminus.
Other Notes	Small volumes of VISTA 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 VISTA purchase	MBS8305355 is a recombinant protein targeting VISTA. Also known as Recombinant Mouse VISTA Protein. Host: Human Cells.

ADDITIONAL DETAILS

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

NCBI GI #	227330580
NCBI GeneID	74048
NCBI Accession #	NP_001153044.1
UniProt Primary Accession #	Q9D659
UniProt Related Accession #	Q9D659
GenBank Nucleotide #	NP_001153044.1
NCBI Official Full Name	V-type immunoglobulin domain-containing suppressor of T-cell activation isoform 2
NCBI Official Synonym Full Names	V-set immunoregulatory receptor

NCBI Official Symbol	Vsir
NCBI Official Synonym Symbols	Dies1; PD-1H; VISTA; 4632428N05Rik
UniProt Protein Name	V-type immunoglobulin domain-containing suppressor of T-cell activation
UniProt Synonym Protein Names	Platelet receptor Gi24
UniProt Gene Name	Vsir
UniProt Entry Name	VISTA_MOUSE
NCBI Protein Information	V-type immunoglobulin domain-containing suppressor of T-cell activation
UniProt Comments for VISTA	VISTA: May stimulate MMP14-mediated MMP2 activation Protein type: Membrane protein, integral Cellular Component: external side of plasma membrane; intercellular junction; plasma membrane Molecular Function: protein binding Biological Process: BMP signaling pathway; negative regulation of T cell cytokine production; positive regulation of BMP signaling pathway; stem cell differentiation
Research Articles on VISTA	**1.** The results suggest that VISTA is involved in the regulation of Th2 cell generation and Th2 cell-mediated antibody production and regulates asthmatic responses, especially in the effector phase.
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