B7-H2/ICOSLG Active Protein

PRODUCT OVERVIEW

Product Name	B7-H2/ICOSLG, Active Protein
Full Product Name	Recombinant human B7-H2/ICOSLG Protein
Product Gene Name	B7-H2/ICOSLG active protein
Product Synonym Names	ICOSLG; B7-H2; B7H2; B7RP-1; B7RP1; CD275; GL50; ICOS-L; ICOSL; LICOS; ICOS ligand
Host	HEK293 cells
Form/Format	Lyophilized from a 0.22um filtered solution of PBS, pH7.4.
Purity/Purification	>90% by SDS-PAGE.
Preparation and Storage	Store the lyophilized protein at -20 degree C to -80 degree C for long term. After reconstitution, the protein solution is stable at -20 degree C for 3 months, at 2-8 degree C for up to 1 week.
Molecular Weight	33,349 Da
Chromosome Location	Chromosome: 21; NC_000021.8 (45646721..45660834, complement). Location: 21q22.3
OMIM	AF199028 mRNA
3D Structure	ModBase 3D Structure for O75144
Active Protein Note	Protein activity can be an ambiguous term. Please refer to the data sheet or inquire with Technical Support to determine the definition of activity for this product.
Species	Human
Endotoxin	<0.1EU/ug of the protein by LAL method.
Tag	C-6xHis
Reconstitution	Reconstitute to a concentration of 0.1-0.5mg/mL in sterile distilled water.
Product Categories/Family for B7-H2/ICOSLG active protein	Immune Checkpoint; Bio-Markers & CD Antigens; Drug Targets
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for B7-H2/ICOSLG active protein	Recombinant human B7-H2/ICOSLG Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Asp19-Ser258) of human B7-H2/ICOSLG (Accession #NP_056074.1) fused with a 6×His tag at the C-terminus.
Other Notes	Small volumes of B7-H2/ICOSLG active 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 B7-H2/ICOSLG purchase	MBS9144070 is an active protein targeting B7-H2/ICOSLG. Also known as Recombinant human B7-H2/ICOSLG Protein. Host: HEK293 cells.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for B7-H2/ICOSLG. It may not necessarily be applicable to this product.

NCBI GI #	27477039
NCBI GeneID	23308

NCBI Accession #	NP_056074.1
UniProt Primary Accession #	O75144
UniProt Secondary Accession #	Q9HD18; Q9NRQ1
UniProt Related Accession #	O75144
GenBank Nucleotide #	NM_015259.4
NCBI Official Full Name	ICOS ligand
NCBI Official Synonym Full Names	inducible T-cell co-stimulator ligand
NCBI Official Symbol	ICOSLG
NCBI Official Synonym Symbols	B7H2; GL50; B7-H2; B7RP1; CD275; ICOSL; LICOS; B7RP-1; ICOS-L
UniProt Protein Name	ICOS ligand
UniProt Synonym Protein Names	B7 homolog 2; B7-H2; B7-like protein Gl50; B7-related protein 1; B7RP-1; CD_antigen: CD275
UniProt Gene Name	ICOSLG
UniProt Synonym Gene Names	B7H2; B7RP1; ICOSL; KIAA0653; B7-H2; B7RP-1
NCBI Protein Information	ICOS ligand; B7 homolog 2; B7 homologue 2; B7-like protein Gl50; B7-related protein 1; transmembrane protein B7-H2 ICOS ligand
UniProt Comments for B7-H2/ICOSLG	Ligand for the T-cell-specific cell surface receptor ICOS. Acts as a costimulatory signal for T-cell proliferation and cytokine secretion; induces also B-cell proliferation and differentiation into plasma cells. Could play an important role in mediating local tissue responses to inflammatory conditions, as well as in modulating the secondary immune response by co-stimulating memory T-cell function ().
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