CD278 Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	CD278, Recombinant Protein
Full Product Name	Recombinant Mouse CD278 Protein
Product Gene Name	CD278 recombinant protein
Product Synonym Gene Name	ICOS
Product Synonym Names	AILIM; Inducible T-cell costimulator; Activation-inducible lymphocyte immunomediatory molecule; CD278
Sequence	EINGSADHRM FSFHNGGVQI SCKYPETVQQ LKMRLFRERE VLCELTKTKG SGNAVSIKNP MLCLYHLSNN SVSFFLNNPD SSQGSYYFCS LSIFDPPPFQ ERNLSGGYLH IYESQLCCQL KLHHHHHH
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 Q9WVS0
Endotoxin	Less than 0.1 ng/ug (1 IEU/ug) as determined by LAL test.
Applications Tested/Suitable for CD278 recombinant protein	ELISA (EIA), Western Blot (WB), SDS-PAGE
Related Product Information for CD278 recombinant protein	Recombinant Mouse CD278 Protein is produced by mammalian expression system and the target gene encoding Glu21-Leu142 is expressed with a 6His tag at the C-terminus.
Other Notes	Small volumes of CD278 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 CD278 purchase	MBS8305186 is a recombinant protein targeting CD278. Also known as Recombinant Mouse CD278 Protein. Host: Human Cells.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD278. It may not necessarily be applicable to this product.

NCBI GI #	224809335
NCBI GeneID	54167
NCBI Accession #	NP_059508.2
UniProt Primary Accession #	Q9WVS0
UniProt Related Accession #	Q9WVS0
GenBank Nucleotide #	NP_059508.2
NCBI Official Full Name	inducible T-cell costimulator
NCBI Official Synonym Full Names	inducible T cell co-stimulator

NCBI Official Symbol	Icos
NCBI Official Synonym Symbols	H4; CCLP; AILIM; CRP-1; Ly115
UniProt Protein Name	Inducible T-cell costimulator
UniProt Synonym Protein Names	Activation-inducible lymphocyte immunomediatory molecule; CD28 and CTLA-4-like protein; CCLP; CD28-related protein 1; CRP-1; CD_antigen: CD278
Protein Family	Inducible T-cell costimulator
UniProt Gene Name	Icos
UniProt Synonym Gene Names	Ailim; CCLP; CRP-1
NCBI Protein Information	inducible T-cell costimulator
UniProt Comments for CD278	Enhances all basic T-cell responses to a foreign antigen, namely proliferation, secretion of lymphokines, up-regulation of molecules that mediate cell-cell interaction, and effective help for antibody secretion by B-cells. Essential both for efficient interaction between T and B-cells and for normal antibody responses to T-cell dependent antigens. Does not up-regulate the production of interleukin-2, but superinduces the synthesis of interleukin-10. Prevents the apoptosis of pre-activated T-cells. Plays a critical role in CD40-mediated class switching of immunoglobin isotypes ().
Research Articles on CD278	**1.** ICOS differentially regulates effector T cells in secondary lymphoid organs and inflamed tissues.
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