Cutaneous T-Cell Lymphoma-Associated Antigen 5 (CTAGE5) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cutaneous T-cell lymphoma-associated antigen 5 (CTAGE5), Recombinant Protein
Full Product Name	Recombinant Human Cutaneous T-cell lymphoma-associated antigen 5 (CTAGE5) , partial
Product Gene Name	CTAGE5 recombinant protein
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	89,647 Da
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
OMIM	602132
3D Structure	ModBase 3D Structure for O15320
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CTAGE5 recombinant protein	MBS1261047 is a recombinant protein targeting CTAGE5. Also known as Recombinant Human Cutaneous T-cell lymphoma-associated antigen 5 (CTAGE5) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of CTAGE5 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CTAGE5. It may not necessarily be applicable to this product.

NCBI GI #	350994421
NCBI GeneID	4253
NCBI Accession #	NP_001234917.1
UniProt Primary Accession #	O15320
UniProt Secondary Accession #	O00169; Q6MZN2; Q6P2R8; Q86TF6; Q8IX92; Q8IX93; B3KRA6; B4DQS6; D3DSA6; G3XAC5
UniProt Related Accession #	O15320; Q96PC5
GenBank Nucleotide #	NM_001247988.1
NCBI Official Full Name	cTAGE family member 5 isoform 5

NCBI Official Synonym Full Names	melanoma inhibitory activity 2
NCBI Official Symbol	MIA2
NCBI Official Synonym Symbols	MEA6; MGEA; MGEA6; CTAGE5; MGEA11
UniProt Protein Name	Endoplasmic reticulum export factor CTAGE5
UniProt Synonym Protein Names	CTAGE family member 5 ER export factor
Protein Family	cTAGE family
UniProt Gene Name	CTAGE5
UniProt Synonym Gene Names	Protein cTAGE-5Curated
NCBI Protein Information	cTAGE family member 5; melanoma inhibitory activity protein 2
NCBI Summary for CTAGE5	This gene encodes s receptor in the endoplasmic reticulum, which plays a role in the export of large pre-chylomicrons and pre-very low density lipoproteins (pre-VLDLs). Three major classes of transcripts are generated from this gene- melanoma inhibitory activity 2-specific transcripts, cTAGE family member 5-specific transcripts and transcripts that include exons from both these transcript species (TANGO1-like or TALI). Additionally, alternative splicing in these transcripts results in multiple transcript variants encoding multiple isoforms. [provided by RefSeq, Sep 2016]
UniProt Comments for CTAGE5	Plays a role in the transport of cargos that are too large to fit into COPII-coated vesicles and require specific mechanisms to be incorporated into membrane-bound carriers and exported from the endoplasmic reticulum. This protein is required for collagen VII (COL7A1) secretion by loading COL7A1 into transport carriers and recruiting PREB/SEC12 at the endoplasmic reticulum exit sites.
Research Articles on CTAGE5	**1.** TANGO1/CTAGE5 receptor serves as a polyvalent template for assembly of large COPII coats.
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