TIM-4 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Tim-4, Recombinant Protein
Full Product Name	Human Tim-4 Recombinant Protein Fc Tag Lyophilized
Product Gene Name	Tim-4 recombinant protein
Product Synonym Gene Name	TIMD4
Host	CHO cells
Form/Format	This is a Lyophilized protein buffered in Lyophilized from 0.2um-filtered solution in PBS. Reconstitute with 100 andul sterile water. Add 1X PBS to the desired protein concentration
Purity/Purification	>98% (SDS-PAGE). Endotoxin level is less than 0.06EU/ug protein (LAL test; Lonza).
Preparation and Storage	Stable for at least 1 year after receipt when stored at -20 degree C. Working aliquots are stable for up to 3 months when stored at -20 degree C.
Species	Human
Tag	Fc
Related Product Information for Tim-4 recombinant protein	Human Tim-4 Recombinant Protein Fc Tag Lyophilized has been recombinantly produced in CHO cells. The TIM (T cell/transmembrane, immunoglobulin and mucin) family plays a critical role in regulating immune responses, including allergy, asthma, transplant tolerance, autoimmunity and the response to viral infections. The unique structure of TIM immunoglobulin variable region domains allows highly specific recognition of phosphatidylserine (PtdSer), exposed on the surface of apoptotic cells. TIM-4 (T cell; immunoglobulin; Mucin-4), also known as SMUCKLER, is a 60 kDa member of the TIM family of immune regulating proteins. TIM-4 is exclusively expressed on antigen-presenting cells, where it mediates phagocytosis of apoptotic cells and plays an important role in maintaining tolerance. TIM-4 binds specifically to TIM-1 which is also the cellular receptor for the hepatitis A virus, and has been implicated in the development of asthma. Among hematopoietic cells, TIM-1 is expressed on activated B and T cells, preferentially in the Th2 subset of CD4+ T cells. The interaction of TIM-4 with TIM-1 induces costimulatory and hyperproliferative signals in T cells. This recombinant proteins is
Other Notes	Small volumes of Tim-4 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 Tim-4 purchase	MBS8433576 is a recombinant protein targeting Tim-4. Also known as Human Tim-4 Recombinant Protein Fc Tag Lyophilized. Host: CHO cells.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Tim-4. It may not necessarily be applicable to this product.

Protein Family	T-cell immunoglobulin and mucin domain-containing protein
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.

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