B7-H3/CD276 Cynomolgus Recombinant Protein

PRODUCT OVERVIEW

Product Name	B7-H3/CD276, Recombinant Protein
Full Product Name	Recombinant Cynomolgus B7-H3/CD276 Protein (C-His)
Product Gene Name	B7-H3/CD276 recombinant protein
Product Synonym Names	CD276 antigen; CD276; B7 homolog 3; B7-H3; CD276
Sequence	Leu29-Glu4 65
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 4-7 degree C for 2-7 days. Aliquots of reconstituted samples are stable at < -20 degree C for 3 months.
Molecular Weight	Molecular Mass: 47.9kDa Actual Protein Molecular Mass: 70-90kDa
Species	Cynomolgus
Endotoxin	< 1.0 EU per mug as determined by the LAL method.
Fusion Tag	C-His
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for B7-H3/CD276 recombinant protein	Protein Construction: Recombinant Cynomolgus CD276 is produced by our mammalian expression system and the target gene encoding Leu29-Glu465 is expressed with a 6His tag at the C-terminus. Background: CD276, also known as B7-H3, is a member of the B7 superfamily with signature IgV and IgG regions in extracellular domains. It is a type I transmembrane protein and shares 20-27% amino acid identity with other B7 family members. B7-H3 is involved in the activation of T lymphocytes, and regulates murine bone formation. It is also reported that B7-H3 may play an important role in muscle-immune interactions, providing further evidence of the active role of muscle cells in local immunoregulatory processes. B7-H3 is expressed on T-cells, natural killer cells, and antigen presenting cells, as well as some non-immune cells, such as osteoblasts, fibroblasts, fibroblast-like synoviocytes and epithelial cells. High expression of B7-H3 in tumor vasculature also correlates with poor survival in patients, suggesting that it may play a role in tumor cell migration.
Other Notes	Small volumes of B7-H3/CD276 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 B7-H3/CD276 purchase	MBS2557582 is a recombinant protein targeting B7-H3/CD276. Also known as Recombinant Cynomolgus B7-H3/CD276 Protein (C-His). Host: Human Cells.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for B7-H3/CD276. It may not necessarily be applicable to this product.

NCBI GI #	982258538
NCBI GeneID	102131295

NCBI Accession #	XP_015308534
GenBank Nucleotide #	XP_015308534.1
NCBI Official Full Name	CD276 antigen isoform X2
NCBI Official Symbol	CD276
Protein Family	CD276 antigen
NCBI Protein Information	CD276 antigen
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/b7-h3-cd276/2557582