Transferrin Receptor Protein 1 (TFRC) Pongo Abelii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Transferrin receptor protein 1 (TFRC), Recombinant Protein
Full Product Name	Recombinant Pongo abelii Transferrin receptor protein 1 (TFRC), partial
Product Gene Name	TFRC recombinant protein
Product Synonym Gene Name	TFRC
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	84,817 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.
3D Structure	ModBase 3D Structure for Q5RDH6
Species	Pongo abelii (Sumatran orangutan)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for TFRC recombinant protein	MBS1402987 is a recombinant protein targeting TFRC. Also known as Recombinant Pongo abelii Transferrin receptor protein 1 (TFRC), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of TFRC 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 TFRC. It may not necessarily be applicable to this product.

NCBI GI #	197097772
NCBI GeneID	100171944
NCBI Accession #	NP_001125063.1
UniProt Primary Accession #	Q5RDH6
UniProt Related Accession #	Q5RDH6
GenBank Nucleotide #	NM_001131591.1
NCBI Official Full Name	transferrin receptor protein 1
NCBI Official Symbol	TFRC
UniProt Protein Name	Transferrin receptor protein 1

UniProt Synonym Protein Names	CD_antigen: CD71
Protein Family	Transferrin receptor protein
UniProt Gene Name	TFRC
UniProt Synonym Gene Names	TR; TfR; TfR1; Trfr
NCBI Protein Information	transferrin receptor protein 1
UniProt Comments for TFRC	Cellular uptake of iron occurs via receptor-mediated endocytosis of ligand-occupied transferrin receptor into specialized endosomes. Endosomal acidification leads to iron release. The apotransferrin-receptor complex is then recycled to the cell surface with a return to neutral pH and the concomitant loss of affinity of apotransferrin for its receptor. Transferrin receptor is necessary for development of erythrocytes and the nervous system (). Positively regulates T and B cell proliferation through iron uptake ().
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