

Datasheet for ABIN7597355

Transferrin Receptor Protein (AA 89-760) (His tag)



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Overview

Quantity:	10 µg
Target:	Transferrin Receptor (TFRC)
Protein Characteristics:	AA 89-760
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Transferrin Receptor protein is labelled with His tag.

Product Details

Purpose:	Recombinant Cynomolgus TFRC protein with N-terminal 10xHis tag
Sequence:	10xHis tag TFRC(Cys89-Phe760)
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	Transferrin Receptor (TFRC)
Alternative Name:	TFRC (TFRC Products)
Background:	<p>T9, TR, TFR, p90, CD71, TFR1, TRFR, IMD46</p> <p>This gene encodes a cell surface receptor necessary for cellular iron uptake by the process of receptor-mediated endocytosis. This receptor is required for erythropoiesis and neurologic development. Multiple alternatively spliced variants have been identified. [provided by RefSeq,</p>

Target Details

	Sep 2015]
Molecular Weight:	predicted molecular mass of 76.6 kDa after removal of the signal peptide. The apparent molecular mass of His-cTFRC is 70-100 kDa due to glycosylation.
NCBI Accession:	XP_045243212
Pathways:	Transition Metal Ion Homeostasis

Application Details

Application Notes:	Extracellular Domain Proteins (ECD) can be used as: <ul style="list-style-type: none">• Immunogens for antibody drug development• Reagents used for CAR-T positive cell monitoring• Reagents for antibody screening and functional testing• Reagents for antibody affinity measurement
Comment:	The protein was made using HEK293 mammalian cell secretion expression system to ensure the close-to-native structures and post-translational modifications of the target protein.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months