

Product Information

MemDX™ Membrane Protein Human TFRC (Transferrin receptor) Expressed in NS0 for Antibody Discovery, Partial (89-760aa)

Cat. No.: **MPX0074K**

This product is for research use only and is not intended for diagnostic use.

This product is a 76 kDa Human TFRC membrane protein expressed in NS0. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

TFRC

Protein Length

Partial (89-760aa)

Protein Class

Transporter

Molecular Weight

76 kDa

TMD

1

Sequence

CKGVEPKTECER
LAGTESPVREEPGEDFPAARRLYWDDLKRKLSEKLDSTDFGTIKLLNEN
SYVPREAGSQKDENLALYVENQFREFKLSKVWRDQHFVKIQVKDSAQNSV
IIVDKNGRLVYLVENPGGYVAYSKAATVTGKLVHANFGTKKDFEDLYTPV
NGSIVIVRAGKITFAEKVANAESLNAIGVLIYMDQTKFPIVNAELSFFGH
AHLGTGDPYTPGFPSFNHTQFPPSRSSGLPNIPVQTISRAAAEKLFGNME
GDCPSDWKTDSTCRMVTSSEKNVKLTVSNVLKEIKILNIFGVIKGFVEPD
HYVVVGAQRDAWGPGAAKSGVGTALLKLAQMFSDMVLDKGFQPSRSIIF
ASWSAGDFGSGVATEWLEGYLSSLHLKAFTYINLDKAVLGTSNFKVSASP
LLYTLIEKTMQNVKHPVTGQFLYQDSNWASKVEKLTLDNAAFPFLAYSGI
PAVSFCFCEDTDYPYLGTTMDTYKELIERIPELNKVARAAAEVAGQFVIK
LTHDVELNLDYERYNSQLLSFVRDLNQYRADIKEMGLSLQWLYSARGDFF
RATSRLTTDFGNAEKTDRFVMKKLNDRVMRVEYHFLSPYVSPKESPFRHV
FWGSGSHTLPALLENLKLKQNNGAFNETLFRNQLALATWTIQGAANALS
GDVWDIDNEF

Product Description

Expression Systems

NS0

Tag

6xHis tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Reconstitute at 200 µg/mL in PBS.

Endotoxin

<0.10 EU per 1 µg of the protein by the LAL method.

Purity

>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.

Buffer

Lyophilized from a 0.2 µm filtered solution in Tris and NaCl with Trehalose.

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

TFRC

Full Name

Transferrin receptor

Introduction

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.

Alternative Names

T9; TR; TFR; p90; CD71; TFR1; TRFR; IMD46; transferrin receptor protein 1; TFRC; Transferrin receptor

Gene ID

[7037](#)

UniProt ID

[P02786](#)