

Recombinant Full Length Human TFRC Protein, C-Flag-tagged

Cat. No. TFRC-466HFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human TFRC Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	84.7 kDa
AA Sequence	MMDQARSAFSNLFGGEPLSYTRFSLARQVDGDN SHVEMKLA VDEEENADNNTKAN VTKPKRCSGSICYGT IAVIVFFLIGFMIGYLG YCKGVEPKTECERLAGTESPVREEPG EDFPAARRLYWDDLKRKLSEKLDSTDF TGTIKLLNENS YVPREAGSQKDENLALYV ENQFREFKLSKVWRDQHFVKIQVKDSAQNSVIIVDKNGRLV YLVENPGGYVAYS KA ATVTGKLVHANFGTKKDFEDLYTPVNGSIVIVRAGKITFAEKVANAESLNAIGVL IYMD QTKFPIVNAELSSFFGHAHLGTGDPYTPGFPSFNHTQFPPSRSSGLPNIPVQTISR AAA EKLFGNME GDCPSDWKTDSTCRMVTSSEKNV KLTVSNVLKEIKILNIFGVIKGFVEP DHYVVVGAQRDAWGPGA AKSG VGTALLLKL AQMFSDMVLK DGFQPSRSIIFASWS AGDFG SVGATEWLEGYLSSLHLKAFTYINLDKAVLG TSNFKVSASPLLYTLIEKTMQ

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NVKHPVTGQFLYQDSNWASKVEKLTLDNAAFPLAYSIGIPAVSFCFCED TDYPYLG
 TTMDTYKELIERIPELNKVARAAA EVAGQFVIKLT HDVELNLDYERYNSQLLSFVRDL
 NQYRA DIKEMGLSLQWLYSARGDFFRATSRLTTDFGNAEKTDRFVMKKLNDRVMR
 VEYHFLSPYVSPKESPFRHV
 FWGSGSHTLPALLENLKLKQNNGAFNETLFRNQLALATWTIQGAANALSGDVWDI
 DNEFTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, ES Cell Differentiation/IPS, Protease, Secreted Protein, Transmembrane
Protein Pathways	Endocytosis, Hematopoietic cell lineage
Full Length	Full L.

GENE INFORMATION

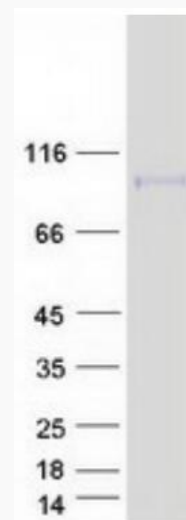
Gene Name	TFRC transferrin receptor [Homo sapiens (human)]
Official Symbol	TFRC

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Synonyms	T9; TR; TFR; p90; CD71; TFR1; TRFR; IMD46
Gene ID	7037
mRNA Refseq	NM_001128148.3
Protein Refseq	NP_001121620.1
MIM	190010
UniProt ID	P02786



Coomassie blue staining of purified TFRC protein.

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