

Recombinant Human TFR2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TFR2-3021H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TFR2 MS Standard C13 and N15-labeled recombinant protein (NP_003218) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a single-pass type II membrane protein, which is a member of the transferrin receptor-like family. This protein mediates cellular uptake of transferrin-bound iron, and may be involved in iron metabolism, hepatocyte function and erythrocyte differentiation. Mutations in this gene have been associated with hereditary hemochromatosis type III. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.
Molecular Mass	88.6 kDa
AA Sequence	MERLWGLFQRAQQLSPRSSQTVYQRVEGPRKGHLEEEEDGEEGAETLAHFCPM ELRGPEPLGSRPRQPNLIPWAAAGRRAPYLVL TALLIFTGAFL LGYVAFRGSCQAC GDSVLVVS EDVNYEPDLDFHQGRLYWSDLQAMFLQFLGEGRLED TIRQTSLRERVA GSAGMAALTQDIRAALS RQKLDHVWTDTHYVGLQFPDPAHPNTLHWVDEAGKVGE QLPLEDPDVYCPYSAIGNVTGELVYAHYGRPEDLQDLRARGVDPVGRLLLVRVGVIS FAQKVTNAQDFGAQGVL IYPEPADFSQDPPKPSLSSQQAVYGHVHLGTGDPYTPGF PSFNQTQFPPVASSGLPSIPAQPISADIASRLLRKLKGPVAPQEWQGSLLGSPYHLG

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PGPRLRLVVNNHRTSTPINNIFGCIEGRSEPDHYVVIGAQRDAWGPGAAGSAVGTAI
LLELVRTFSSMVSNGFRPRRSLLFISWDGGDFGSGVSTEWLEGYLSVLHLKAVVYV
SLDNAVLGDDKFHAKTSPLLTSLIESVLKQVDSPNHSGQTLYEQVVFTNPSWDAEVI
RPLPMDSSAYSFTAFAVGVPVEFSFMEDDQAYPFLHTKEDTYENLHKVLQGRLPAV
AQAVAQLAGQLLIRLSHDRLLPLDFGRYGDVLRHIGNLNEFSGDLKARGLTLQWVY
SARGDYIRAAEKLRQEIYSSEERDERLTRMYNVRIMRVEFYFLSQYVSPADSPFRHIF
MGRGDHTLGALLDHLRLLRSNSSGTPGATSSTGFQESRFRRQLALLTWTLQGAANA
LSGDVWNIDNNFTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	TFR2 transferrin receptor 2 [Homo sapiens (human)]
Official Symbol	TFR2
Synonyms	TFR2; transferrin receptor 2; HFE3; TFRC2; transferrin receptor protein 2
Gene ID	7036
mRNA Refseq	NM_003227

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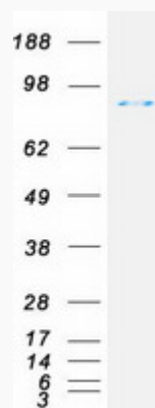
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Protein Refseq NP_003218

MIM 604720

UniProt ID Q9UP52

SDS-PAGE



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