

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
ELRGPEPLGSRPRQPNLIPWAAAGRRAAPYLVLTAALLIFTGAFLLGYVAFRGSCQAC
GDSVLVVSEDEVNYEPDLDFHQGRLYWSDLQAMFLQFLGEGRLEDTIRQTSLRERVA
GSAGMAALTQDIRAALSQRKLDHVWTDTHYVGLQFPDPAHPNTLHWVDEAGKVG
QLPLEDPDVYCPYSAIGNVTGELVYAHYGRPEDLQDLRARGVDPVGRLLLLVRVGVIS
FAQKVTNAQDFGAQGVLIYPEPADFSQDPPKPSLSSQQAVYGHVHLGTGDPYTPGF
PSFNQTQFPPVASSGLPSIPAQPISADIASRLLRKLKGPVAPQEWQGSLLGSPYHLG

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PGPRLRLVVNNHRTSTPINNIFGCIEGRSEPDHYVVIGAQRDAWGPGAAKSAVGTAI
 LLELVRTFSSMVSNGFRPRRSLLFISWDGGDFGSGSTEWLEGYLSVLHLKAVVYV
 SLDNAVLGDDKFHAKTSPLLTSLIESVLKQVDSPNHSGQTLYEQVVFTNPSWDAEVI
 RPLPMDSSAYSFTAFAVGVPAVEFSFMEDDQAYPFLHTKEDTYENLHKVLQGRLPAV
 AQAVAQLAGQLLIRLSHDRLLPLDFGRYGDVVLRHIGNLNEFSGDLKARGLTLQWVY
 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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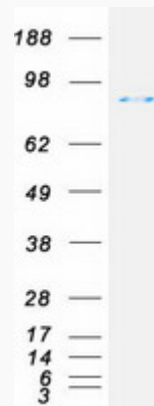
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Protein Refseq NP_003218

MIM 604720

UniProt ID Q9UP52

SDS-PAGE



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