

Product datasheet for PH320060

Transferrin Receptor 2 (TFR2) (NM_003227) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TFR2 MS Standard C13 and N15-labeled recombinant protein (NP_003218)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC220060
Predicted MW:	88.6 kDa
Protein Sequence:	>RC220060 representing NM_003227 Red=Cloning site Green=Tags(s)
	MERLWGLFQRAQQLSPRSSQTVYQRVEGPRKGHLEEEEDGEEGAETLAHFCPMLRGPEPLGSRPRQPN LIPWAAAGRRAAPYLVL TALLIFTGAFLLGYVAFRGSCQACGDSVLVSEDEVNYEPDLDFHQGRLYWSDL QAMFLQFLGEGRELDITRQTSLRERVAGSAGMAALTQDIRAALSQKLDHVWTDTHYVGLQFPDPAHPNT LHWVDEAGKVGEQLPLEDPDVYCPYSAIGNVTGELVYAHYGRPEDLQDLRARGVDPVGRLLLVRVGVISF AQKVTNAQDFGAQGVLIYPEPADFSQDPPKPSLSSQAVYGHVHLGTGDPYTPGFPSFNQTQFPVASSG LPSIPAQPI SADIASRLLRKLGKPVAPQEWQGSLLGSPYHLGPGPRLRLVNNHRTSTPINNIFGCIEGR SEPDHYVYVIGAQRDAWGPGAASAVGTAILLELVRTFSSMVSNGFRPRRSLLFISWDGGDFGSVGSTEWL EGYLSVLHLKAVVVYVSLDNAVLGDDKFHAKTSPLLTSLIESVLKQVDSPNHSGQTLYEQVFTNPSWDAE VIRPLPMDSSAYSFTAFVGVPAVEFSFMEDDQAYPFLHTKEDTYENLHKVLQGRLPVAQAVALAGQLL IRL SHDRLLPLDFGRYGDVVL RHIGNLNEFSGDLKARGLTLQWVYSARGDYIRAAEKL RQEIYSSEERDE RLTRMNVNVRIMRVEFYFLSQYVSPADSPFRHIFMGRGDHTLGALLDHLRLLRSNSSGTPGATSSTGFQES RFRRQLALLTWTLQGAANALSGDVWNIDNNF
	TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_003218



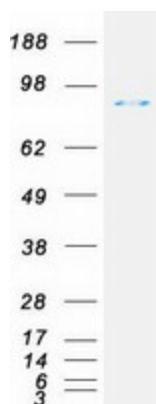
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RefSeq Size:	2891
RefSeq ORF:	2403
Synonyms:	HFE3; TFRC2
Locus ID:	7036
UniProt ID:	Q9UP52
Cytogenetics:	7q22.1

Summary: 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. [provided by RefSeq, May 2011]

Protein Families: Druggable Genome, Protease, Transmembrane

Product images:



Coomassie blue staining of purified TFR2 protein (Cat# [TP320060]). The protein was produced from HEK293T cells transfected with TFR2 cDNA clone (Cat# [RC220060]) using MegaTran 2.0 (Cat# [TT210002]).