

Recombinant Mouse Tfr2 Protein, Fc-tagged

Cat. No. Tfr2-468M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Tfr2 protein with Fc tag was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	798
Description	Predicted to enable co-receptor binding activity and transferrin receptor activity. Acts upstream of or within iron ion homeostasis. Part of HFE-transferrin receptor complex. Is expressed in liver lobe; mesonephros; and urinary system. Used to study hemochromatosis type 3. Human ortholog(s) of this gene implicated in hemochromatosis and hemochromatosis type 3. Orthologous to human TFR2 (transferrin receptor 2).
Form	Lyophilized
Molecular Mass	103.2 kDa
AA Sequence	MEQRWGLLRVQWSPRPSQTIYRRVEGPQLEHLEEDREEGAELPAQFCPMELK GPEHLGSCPGRSIPIPWAAAGRKAAPYLVLITLLIFTGAFLLGYYAFRGSCQACGDSV LVVDEDVNPEDSGRTTLYWSDLQAMFLRFLGEGRMEDTIRLTSLRERVAGSARMAT LVQDILDKLSRQKLDHVWTDTHYVGLQFPDPAHANTLHWVDADGSGVQEQLPLEDPE VYCPYSATGNATGKLVYAHYGRSEDLQDLKAKGVELAGSLLLVRVGITSFAQKVAVA QDFGAQGVLIPDPSDFSQDPHKPGLSSHQAVYGHVHLGTGDPYTPGFPSFNQTQ

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FPPVESSGLPSIPAQPISADIADQLLRKLTGPVAPQEWKGHLSGSPYRLGPGPDLRL
 VVNNHRVSTPISNIFACIEGFAEPDHYVVIGAQRDAWGPGAASAVGTAILLELVRTF
 SSMVSNGFRPRRSLLFISWDGGDFGSGATEWLEGYLSVLHLKAVVYVSLDNSVLG
 DGKFHAKTSPLLVS LIENILKQVDSPNHSGQTLYEQVALTHPSWDAEVIQPLPMDSS
 AYSFTAFAAGVPAVEFSFMEDDRVYPFLHTKEDTYENLHKMLRGRLPVVQAVAQLA
 GQLLIRLSHDHLLPLDFGRYGDVLRHIGNLNEFSGDLKERGLTLQWVYSARGDYIR
 AAELRKEIYSSERNDERLMRMYNVRIMRVEFYFLSQYVSPADSPFRHIFLGQGDHT
 LGALVDHLRMLRADGSGAASSRLTAGLGFQESRFRRLALLTWTLQGAANALSGDV
 WNIDNNF

Purity > 98%

Applications WB; ELISA; FACS; FC

Stability This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term).
 After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18
 centigrade for future use.

Storage At -20 centigrade.

Concentration 1 mg/mL

Storage Buffer PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

Reconstitution Reconstitute in sterile distilled H₂O to no less than 100 µg/mL; dilute reconstituted
 stock further in other aqueous solutions if needed. Please review COA for lot-specific
 instructions. Final measurements should be determined by the end-user for optimal
 performance.

GENE INFORMATION

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Gene Name	Tfr2 transferrin receptor 2 [Mus musculus (house mouse)]
Official Symbol	Tfr2
Synonyms	Tfr2; transferrin receptor 2; Trfr2; transferrin receptor protein 2
Gene ID	50765
mRNA Refseq	NM_015799
Protein Refseq	NP_056614
UniProt ID	Q9JKX3

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