

Recombinant Mouse TFR2 protein, mouse IgG1 Fc-tagged, low endotoxin

Cat. No. TFR2-361M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse TFR2 protein (Arg103-Phe798)(low endotoxin), fused to Mouse IgG1 Fc tag at N-terminus, was expressed in human 293 cells (HEK293).
Species	Mouse
Source	HEK293
ProteinLength	696
Description	Transferrin receptor protein 2 (TFR2) is a single-pass type II membrane protein with a protease associated (PA) domain, an M28 peptidase domain and a transferrin receptor-like dimerization domain. The mutations in TFR2 gene have been associated with hereditary hemochromatosis type III. Furthermore, TFR2 is involved in the uptake of transferrin-bound iron into cells by endocytosis, although its role is minor compared to transferrin receptor 1.
Form	Lyophilized from 0.22 um filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 103.2 kDa. The predicted N-terminus is Ile. The predicted N-terminus is Ile. The reducing (R) protein migrates as 116 kDa in SDS-PAGE due to glycosylation.
Endotoxin	Less than 0.1 EU per ug by the LAL method.

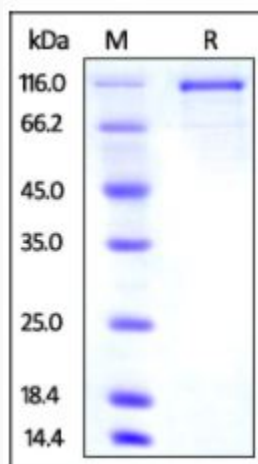
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Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 centigrade to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
GENE INFORMATION	
Gene Name	Tfr2
Official Symbol	Tfr2
Synonyms	Trfr2
Gene ID	50765
mRNA Refseq	NM_001289509.1
Protein Refseq	NP_001276438.1
UniProt ID	Q9JKX3

**SDS-PAGE of TFR2-
361M**



Mouse TFR2, Mouse Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.