

Recombinant Mouse TFRC Protein (Cys89-Phe763), Fc-tagged

Cat. No. Tfrc-46M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse TFRC protein (Cys89-Phe763) with a Fc-tag tag was expressed in HEK293
Species	Mouse
Source	HEK293
ProteinLength	89-763 a.a.
Description	This gene encodes a cell surface receptor necessary for cellular iron uptake by the process of receptor-mediated endocytosis. This receptor is required for erythropoiesis and neurologic development. Mice that are deficient in this receptor show impaired erythroid development and abnormal iron homeostasis.
Molecular Mass	The protein has a calculated MW of 101.4 kDa.
AA Sequence	CKRVEQKEECVKLAETEETDKSETMETEDVPTSSRLYWADLKTLLSEKLN SIEFADTI KQLSQNTYTPREAGSQKDESLAYYIENQFHEFKFSKVVWRDEHYVKIQVKSSIGQNM VTIVQSNGNLDPVESPEGYVAFSKPTEVSGKLVHANFGTKKDFEELSYSVNGSLVIV RAGEITFAEKVANAQSFNAIGVLIYMDKNKFPVVEADLALFGHAHLGTGDPYTPGFP SFNHTQFPPSQSSGLPNIPVQTISRAAAEKLFGKMEGSCPARWNIDSSCKLELSQNQ NVKLIVKNVLKERRILNIFGVIKGYEEPDRYVVVGAQRDALGAGVAAKSSVGTGLLLK LAQVFSDMISKDGRPSRSIIFASWTAGDFGAVGATEWLEGYLSLHLKAFTYINLDK VVLGTSNFKVSASPLLYTLMGKIMQDVKHPVDGKSLYRDSNWISKVEKLSFDNAAYP FLAYSGIPAVSFCFCEDADYPYLGTRLDTYEALTQKVPQLNQMVRTAAEVAGQLIIKL

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THDVELNLDYEMYNSKLLSFMKDLNQFKTDIRDMGLSLQWLYSARGDYFRATSRLT
 TDFHNAEKTNRFMREINDRIMKVEYHFLSPYVSPRESPFRHIFWGSHTLSALVE
 NLKLRQKNITAFNETLFRNQLALATWTIQGVANALSGDIWNIDNEFDKHTCPCPPAP
 ELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAK
 TKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPRE
 PQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDS
 GSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNHYTQKSLSLSPGK

Purity >90% by SDS-PAGE

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration 0.05 mg/mL

Storage Buffer PBS, pH 7.4

GENE INFORMATION

Gene Name [Tfrc transferrin receptor \[Mus musculus \]](#)

Official Symbol [Tfrc](#)

Synonyms TFRC; transferrin receptor; transferrin receptor protein 1; mammary tumor virus receptor 1; TR; TFR; p90; CD71; TFR1; Trfr; Mtvr1; Mtvr-1; AI195355; AI426448; AU015758; 2610028K12Rik; E430033M20Rik;

Gene ID [22042](#)

mRNA Refseq [NM_011638](#)

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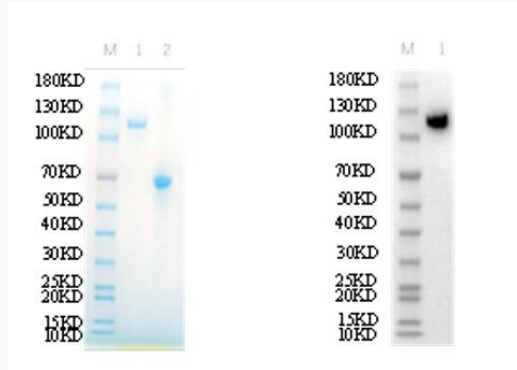
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Protein Refseq

NP_035768

SDS-PAGE:



Reducing 12% SDS-PAGE and WB analysis profile of purified TFRC

Lane 1. TFRC

Lane 2. BSA

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