

Recombinant Human TF Protein, His-tagged

Cat. No. TF-551H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TF protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
Description	This gene encodes a glycoprotein with an approximate molecular weight of 76.5 kDa. It is thought to have been created as a result of an ancient gene duplication event that led to generation of homologous C and N-terminal domains each of which binds one ion of ferric iron. The function of this protein is to transport iron from the intestine, reticuloendothelial system, and liver parenchymal cells to all proliferating cells in the body. This protein may also have a physiologic role as granulocyte/pollen-binding protein (GPBP) involved in the removal of certain organic matter and allergens from serum.
Form	Lyophilized
Molecular Mass	76 kDa
AA Sequence	MRLAVGALLVCAVLGLCLAVPDKTVRWCAVSEHEATKCQSFRDHMKSVIPSDGPSV ACVKKASYLDCIRAIANEADAVTLTAGLVYDAYLAPNNLKPVVAEFYGSKEDPQTF YYAVAVVKKDSGFQMNQLRGKKSCHTGLGRSAGWNIPIGLLYCDLPEPRKPLEKAV ANFFSGSCAPCADGTDGFPQLCQLCPGCGCSTLNQYFGYSGAFKCLKDGAGDVAFV KHSTIFENLANKADRDQYELLCLDNTRKPVDEYKDCHLAQVPSHTVVARSMGGKED LIWELLNQAQEHFGKDKSKEFQLFSSPHGKDLLFKDSAHGFLKVPVRMDAKMYLGY

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

EYVTAIRNLREGTCPEAPTDECKPVKWCALSHHERLKCDEWSVNSVGKIECVSAET
 TEDCIAKIMNGEADAMSLDGGFVYIAGKCGLPVLAENYNKSDNCEDTPEAGYFAIA
 VVKKSASDLTWDNLKGKKSCHTAVGRTAGWNIPMGLLYNKINHCRFDEFFSEGCAP
 GSKKDSSLCKLCMGSLNLCEPNNKEGYGYTGAFRCLVEKGDVAFVKHQTVPQN
 TGGKNPDPWAKNLNEKDYELLCLDGTRKPVVEYANCHLARAPNHAVTRKDKEAC
 VHKILRQQQHLFGSNVTDCSGNFCLFRSETKDLLFRDDTVCLAKLHDRNTYEKYLGE
 EYVKAVGNLRKCSTSSLLEACTFRRP

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 H ₂ O 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

Gene Name TF transferrin [Homo sapiens (human)]

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Official Symbol	TF
Synonyms	TF; transferrin; serotransferrin; PRO1557; PRO2086; siderophilin; beta-1 metal-binding globulin; TFQTL1; DKFZp781D0156;
Gene ID	7018
mRNA Refseq	NM_001063
Protein Refseq	NP_001054
MIM	190000
UniProt ID	P02787

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