

Recombinant Human TF Protein, Animal Free

Cat. No. TF-462H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TF Protein without tag was expressed in CHO-K1.
Species	Human
Source	CHO
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.
Molecular Mass	76.5 kDa
Endotoxin	< 0.25 EU/mg protein
Purity	> 97%, as determined by SDS-PAGE and SEC-HPLC
Storage	The lyophilized protein is stable for at least 2 years from date of receipt at -20 to -70 centigrade. Upon reconstitution, this product can be stored in working aliquots at -20 centigrade for six months. Avoid repeated freeze/thaw cycles.

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Storage Buffer	Lyophilized from a 0.2 µm filtered solution in PBS.
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
GENE INFORMATION	
Gene Name	TF transferrin [Homo sapiens (human)]
Official Symbol	TF
Synonyms	TF; transferrin; TFQTL1; PRO1557; PRO2086; HEL-S-71p; serotransferrin; beta-1 metal-binding globulin; epididymis secretory sperm binding protein Li 71p; siderophilin
Gene ID	7018
mRNA Refseq	NM_001063
Protein Refseq	NP_001054
MIM	190000
UniProt ID	P02787

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