

Product datasheet for **TP326147M**

CD71 (TFRC) (NM_001128148) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human transferrin receptor (p90, CD71) (TFRC), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC226147 representing NM_001128148 Red=Cloning site Green=Tags(s)

MMDQARSAFSNLFGGPELSYTRFSLARQVDGDNSHVEMKLAVDEEENADNNTKANVTKPKRCSGSICYGT
IAVIVFFLIGFMIGYLYGCKGVPEPKTECERLAGTESPVREEPGEDFPAARRLYWDDLKRKLSEKLDSTDF
TGTIKLLNENSYPREAGSQKDENLALYVENQFREFKLSKVWRDQHFKVIQVKDSAQNSVIIVDKNGRLV
YLVENPGGYVAYSKAATVTGKLVHANFGTKKDFEDLYTPVNGSIVIVRAGKITFAEKVANAESLNAIGVL
IYMDQTKFPIVNAELSFHGAHLGTGDPYTPGPFPSFNHTQFPPSRSSGLPNIPVQTISRAAAEKLFNGME
GDCPSDWKTDSTCRMVTSSEKNVCLTVSNVLKEIKLNIFGVIKGFVEPDHYVVVGAQRDAWGPGAASKG
VGTALLKLAQMFSDMVLKDGFPQRSIIIFASWSAGDFGVSIGATEWLEGYLSLHHLKAFTYINLDKAVLG
TSNFKVASPLLYTLIEKTMQNVKHPVTGQFLYQDSN WASKVEKLTLDNAAFPFLAYSGIPAVSFCFCED
TDYPYLGTTMDTYKELIERIPELNKVARAAA EVAGQFVIKLT HDVELNLDYERYNSQLLSFVRDLNQYRA
DIKEMGLSLQWLYSARGDFFRATSRLTTDFGNAEKTDRFVMKKLNDRVMRVEYHFLSPYVSPKESPFHRV
FWGSGSHTLPALLENLKLKQNNGAFNETLFRNQLALATWTIQGAANALSGDVWDIDNEF

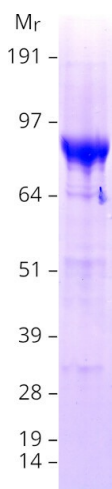
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	84.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_001121620</u>
Locus ID:	7037
UniProt ID:	<u>P02786, Q7Z3E0</u>
Cytogenetics:	3q29
RefSeq ORF:	2280
Synonyms:	CD71; IMD46; p90; T9; TFR; TFR1; TR; TRFR
Summary:	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. Multiple alternatively spliced variants have been identified. [provided by RefSeq, Sep 2015]
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Protease, Secreted Protein, Transmembrane
Protein Pathways:	Endocytosis, Hematopoietic cell lineage

Product images:

Coomassie blue staining of purified TFRC protein (Cat# [TP326147]). The protein was produced from HEK293T cells transfected with TFRC cDNA clone (Cat# [RC226147]) using MegaTran 2.0 (Cat# [TT210002]).