

Product datasheet for PH300980

CD71 (TFRC) (NM_003234) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TFRC MS Standard C13 and N15-labeled recombinant protein (NP_003225)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200980
Predicted MW:	84.7 kDa
Protein Sequence:	>RC200980 representing NM_003234 Red=Cloning site Green=Tags(s)

MMDQARSAFSNLFGGEPLSYTRFSLARQVDGDNSHVEMKLAVIDEENADNNTKANVTKPKRCSGSICYGT
IAVIVFFLIGFMIGYLGCKGVEPKTECERLAGTESPVREEPGEDFPAARRLYWDDLKRKLEKLDSTDF
TGTIKLLNENSYPREAGSQKDENLALYVENQFREFKLSKVWRDQHFVKIQVKDSAQNSVIVDKNGRLV
YLVENPGGYVAYSKAATVTGKLVHANFGTKKDFEDLYTPVNGSIVIVRAGKITFAEKVANAESLNAIGVL
IYMDQTKFPIVNAEL SFFGHAHLGTGDPYTPGFPSFNHTQFPPSRSSGLPNIPVQTSIRAAAELKFGNME
GDCPSDWTDCRMVTSESKNVKLT VSNVLKEIKILNIFGVIKGFVEPDHYVVVGAQRDAWGPGAASKG
VGTALLLKLQMFSDMVLKDFGQPSRSIIFASWSAGDFGSGATEWLEGYLSSLHLKAFYINLDKAVLG
TSNFKVSASPLL YTLIEKTMQNVKHPVTGQFLYQDSNWASKVEKLTLDNAAFPFLAYSGIPAVSFCFCED
TDYPYLGTMTDYKELIERIPELNKVARAAAEVAGQFVIKLT HDVELNLDYERYNSQLLSFVRDLNQYRA
DIKEMGLSLQWLYSARGDFFRATSRLTTDFGNAEKTDRFVMKKNDRVMRVEYHFLSPYVSPKESPFRRHV
FWGSGSHTLPALLENLKLKQNGAFNETLFRNQLALATWTIQGAANALSGDVWDIDNEF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_003225</u>



[View online »](#)

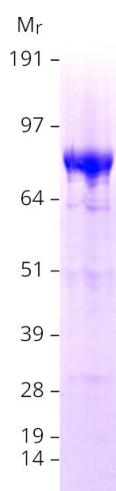
RefSeq Size:	5010
RefSeq ORF:	2280
Synonyms:	CD71; IMD46; p90; T9; TFR; TFR1; TR; TRFR
Locus ID:	7037
UniProt ID:	P02786 , A8K6Q8 , Q7Z3E0
Cytogenetics:	3q29

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# [TP300980]). The protein was produced from HEK293T cells transfected with TFRC cDNA clone (Cat# [RC200980]) using MegaTran 2.0 (Cat# [TT210002]).