

## Product datasheet for PH326147

### CD71 (TFRC) (NM\_001128148) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	TFRC MS Standard C13 and N15-labeled recombinant protein (NP_001121620)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC226147
Predicted MW:	84.7 kDa
Protein Sequence:	>RC226147 representing NM_001128148 Red=Cloning site Green=Tags(s)

MMDQARSAFSNLFGGEPLSYTRFSLARQVDGDNHSHVEMKLAVIDEENADNNTKANVTKPKRCSGSICYGT  
IAVIVFFLIGFMIGYLGCKGVEPKTECERLAGTESPVREEPGEDFPAARRLYWDDLKRKLESEKLDSTDF  
TGTIKLLNENSYPREAGSQKDENLALYVENQFREFKLSKVWRDQHFVKIQVKDSAQNSVIVDKNGRLV  
YLVENPGGYVAYSKAATVTGKLVHANFGTKKDFEDLYTPVNGSIVIVRAGKITFAEKVANAESLNAIGVL  
IYMDQTKFPIVNAEL SFFGHAHLGTGDPYTPGFPSFNHTQFPPSRSSGLPNIPVQTI SRAAAEKLFNGME  
GDCPSDWTDCRMVTSESKNVKLT VSNVLKEIKILNIFGVIKGFVEPDHYVVVGAQRDAWGPGAASKG  
VGTALLLKLQMFSDMVLKDFGQPSRSIIFASWSAGDFGSGATEWLEGYLSSLHLKAFYINLDKAVLG  
TSNFKVASPLLYTLIEKTMQNVKHPVTGQFLYQDSNASKVEKLTLDNAAFPFLAYSGIPAVSFCFCED  
TDYPYLGTTMDTYKELIERIPELNKVARAAAEVAGQFVIKLT HDVELNLDYERYNSQLLSFVRDLNQYRA  
DIKEMGLSLQWLYSARGDFFRATSRLTTDFGNAEKTDRFVMKKNDRVMRVEYHFLSPYVSPKESPFHRV  
FWGSGSHTLPALLENLKLKQNGAFNETLFRNQLALATWTIQGAANALSGDWDIDNEF

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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<a href="#">NP_001121620</a>



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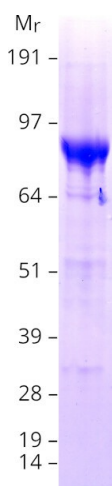
RefSeq ORF: 2280  
Synonyms: CD71; IMD46; p90; T9; TFR; TFR1; TR; TRFR  
Locus ID: 7037  
UniProt ID: [P02786](#), [Q7Z3E0](#)  
Cytogenetics: 3q29

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