

Recombinant Human CD71 Protein

Catalog #	Source	Reactivity	Applications
CRP2666	Human cells	Human	E, WB, SDS-PAGE, MS

Description	Recombinant Human CD71 Protein is produced by mammalian expression system and the target gene encoding Leu101-Phe760 is expressed with a 6His tag at the N-terminus.
Form	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, 5% Trehalose, pH7.4.
Gene Symbol	TFRC
Alternative Names	Transferrin receptor protein 1; TR; TfR; TfR1; Trfr; T9; p90; CD71
Entrez Gene	7037 (Human)
SwissProt	P02786 (Human)
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Chemical Structure	GSGSHHHHHH LAGTESPVRE EPGEDFPAAR RLYWDDLKRR LSEKLDSTDF TGTIKLLNEN SYVPREAGSQ KDENLALYVE NQFREFKLSK VWRDQHFVKI QVKDSAQNSV IIVDKNGRLV YLVENPGGYV AYSKAATVTG KLVHANFGTK KDFEDLYTPV NGSIVIVRAG KITFAEKVAN AESLNAIGVL IYMDQTKFPI VNAELFFGH AHLGTGDPYT PGFPSFNHTQ FPPSRSSGLP NIPVQTISRA AAELKFGNME GDCPSDWKTD STCRMVTSES KNVKLTVSNV LKEIKILNIF GVIKGFVEPD HYVVVGAQRD AWGPGAASKG VGTALLKLA QMFSDMVLKD GFQPSRSIIF ASWSAGDFGS VGATEWLEGY LSSLHLKAFY YINLDKAVLG TSNFKVSASP LLYTLIEKTM QNVKHPVTGQ FLYQDSNWS KVEKLTLDNA AFPFLAYSGI PAVSFCFCED TDYPYLGTTM DTYKELIERI PELNKVARAA AEVAGQFVIK LTHDVELNLD YERYNSQLLS FVRDLNQYRA DIKEMGLSLQ WLYSARGDFF RATSRLTTDF GNAEKTDRFV MKKLNDRVMR VEYHFLSPYV SPKESPRHV FWGSGSHTLP ALLENLKLKRR QNNGAFNETL FRNQLALATW TIQGAANALS

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

GDVWDIDNEF

Quality Control

Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

Directions for Use

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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