

Transcobalamin-1 Recombinant Protein | TCN1 recombinant protein

Recombinant Pig Transcobalamin-1

CATALOG # AAA114151	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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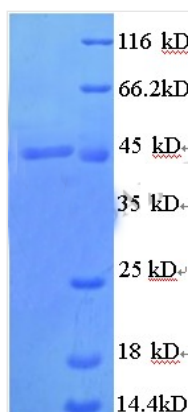
PRODUCT SYNONYMS

Transcobalamin-1; Recombinant Pig Transcobalamin-1; Cobalophilin; Haptocorrin; Protein R; Transcobalamin I; TC I; TC1; TCN1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	25-416aa; Full length
Sequence	CVVSEKDYSH LRLISAMDN LEQIRGIYGA SILLSQRLAG IQNPSLEEEL SQRIQDDMNR RDMSNLTSGQ LALIILAFGA CKTPDVRFIH DHHLVEKLGE KFKEEIKNME IHNSNPLTNY YQLSFDVLTCLFRGNYSIS NVTHYFNPEN KNFNLSGHFS VDTGAVAVLA LTCVKRSISN GKIKAAIKDS DTIQKYIESL VHGIQSEKMGV VSLETRIAQE KLCRLSLSHQ TITKMNQIAK KLWTRCLTHS QGVFRLPIAA AQILPALLGK TYLDVTKLLL VPKVQVNITD EPVPVPTLS PENISVIYCV KINEISNCIN ITVFLDVMKA AQEKNSTIYG FTMTETPWGP YITSVQGIWA NNNERTYWEH SEQQQITKPR SMGIMLSKME SI
Sequence Length	416
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for TCN1 recombinant protein	Binds vitamin B12 with femtomolar affinity and protects it from the acidic environment of the stomach. Binds to cobalamin and to cobalamin analogs such as cobinamide.
References	Isolation and characterization of a cDNA encoding porcine gastric haptocorrin. Hewitt J.E., Seetharam B., Leykam J.F., Alpers D.H. Eur. J. Biochem. 189:125-130(1990)

NCBI AND UNIPROT INFORMATION

NCBI GI #	657193246
NCBI GeneID	396873
UniProt Accession #	P17630
Molecular Weight	46.3 kDa
NCBI Official Full Name	Transcobalamin-1
NCBI Official Symbol	TCN1
NCBI Protein Information	transcobalamin I (vitamin B12 binding protein, R binder family); haptocorrin; transcobalamin-1
UniProt Protein Name	Transcobalamin-1
UniProt Gene Name	TCN1
UniProt Synonym Gene Names	TC-1; TC I; TCI
UniProt Entry Name	TCO1_PIG

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/tcn1-recombinant-protein-e-coli/114151>