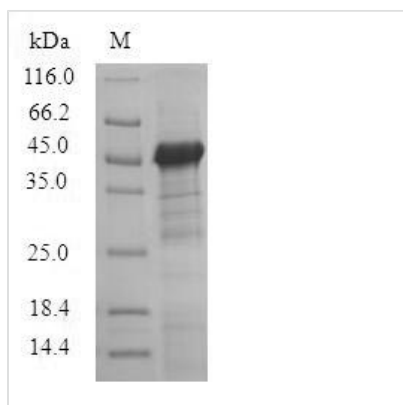




Recombinant Pig Transcobalamin-1 (TCN1)

Product Code	CSB-CF023317PI
Relevance	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.
Abbreviation	Recombinant Pig TCN1 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P17630
Product Type	Transmembrane Protein
Immunogen Species	Sus scrofa (Pig)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	CVVSEKDYSHLRLLISAMDNLEQIRGIYGASILLSQRLAGIQNPSLEEELSQRIQ DDMNRRDMSNLTSGQLALIILAFGACKTPDVRFIHDHHLVEKLGEKFKEEIKNM EIHNSNPLTNYYYQLSFDVLTCLFRGNYSISNVTHYFNPENKNFNLSGHFSVDT GAVAVLALTCVKRSISNGKIKAAIKDSDTIQKYIESLVHKKIQSEKMVVSLERIAQ EKLCLSLSHQTITKMNQIAKKLWTRCLTHSQGVFRLPIAAAQILPALLGKTYLD VTKLLLVPKVQVNITDEPVPVPTLSPENISVIYCVKINEISNCINITVFLDVMKAA QEKNSTIYGFTMTETPWGPYITSVQGIWANNNERTYWEHSEQQQITKPRSMGI MLSKMESI
Research Area	Signal Transduction
Source	in vitro E.coli expression system
Target Names	TCN1
Protein Names	Cobalophilin Haptocorrin Protein R Transcobalamin I
Expression Region	25-416aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	48.3kDa
Protein Length	Full Length of Mature Protein
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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