

Recombinant Pig TCN1 Protein (25-416 aa), His-tagged

Cat. No. TCN1-1534P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Pig TCN1 Protein (24-433 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length of Mature Protein.
Species	Pig
Source	Yeast
ProteinLength	25-416 aa
Description	Binds vitamin B12 with fmolar affinity and protects it from the acidic environment of the stomach . Binds to cobalamin and to cobalamin analogs such as cobinamide.
Form	Tris-based buffer,50% glycerol
Molecular Mass	46.3 kDa
AA Sequence	CVVSEKDYSHLRLLISAMDNLEQIRGIYGASILLSQRLAGIQNPSLEEELSQRIQDDMN RRDMSNLTSQQLALIILAFGACKTPDVRFIHDHHLVEKLGEKFKEEIKNMEIHNSNPLT NYYQLSFDVLTLCIFRGNYISNVTHYFNPENKNFNLSGHFSVDTGAVAVLALTCVK RSISNGKIKAAIKDSDTIQKYIESLVHKKIQSEKMVVSLETRIAQEKLCLSLSHQTITKM NQIAKKLWTRCLTHSQGVFRLPIAAAQILPALLGKTYLDVTKLLLVPKVQVNITDEPVP VVPTLSPENISVIYCVKINEISNCINITVFLDVMKAAQEKNSTIYGFTMTETPWGPYITS VQGIWANNNERTYWEHSEQQQITKPRSMGIMLSKMESI

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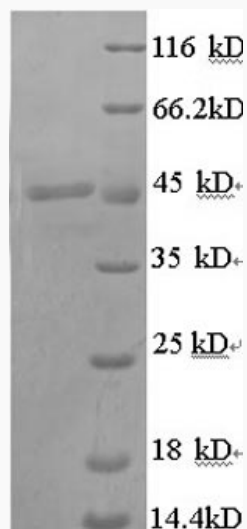
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Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.
GENE INFORMATION	
Gene Name	TCN1 transcobalamin I (vitamin B12 binding protein, R binder family) [<i>Sus scrofa</i>]
Official Symbol	TCN1
Synonyms	TCN1; transcobalamin I (vitamin B12 binding protein, R binder family);
Gene ID	396873
UniProt ID	P17630

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

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