

Recombinant Human TCN1 Protein (24-433 aa), His-tagged

Cat. No. TCN1-1533H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TCN1 Protein (24-433 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Signal Transduction. Protein Description: Full Length of Mature Protein.
Species	Human
Source	Yeast
ProteinLength	24-433 aa
Description	Binds vitamin B12 with fmolar affinity and protects it from the acidic environment of the stomach.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	47.6 kDa
AA Sequence	EICEVSEENYIRLKPLLNTMIQSNYNRGTSAVNVVLSLKLVGIIQITLMQKMIQQIKYN VKSRLSDVSSGELALILALGVCRNAEENLIYDYHLIDKLENKFQAEIENMEAHNGTPL TNYYQLSLDVLALCLFNGNYSTAEVVNHFTPENKNYYFGSQFSVDTGAMAVLALTC VKKSLINGQIKADEGSLKNISIIYTKSLVEKILSEKKENGLIGNTFSTGEAMQALFVSSDY YNENDWNCQQTLNTVLTEISQGAFSNPNAQAQVLPALMGKTFDINKDSSCVSASG NFNISADEPITVTPPDSQSYISVNYSVRINETYFTNVTVLNGSVFLSVMEKAQKMNDTI FGFTMEERSWGPYITCIQGLCANNNDRTYWELLSGGEPLSQGAGSYVVRNGENLE VRWSKY

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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) [Homo sapiens]
Official Symbol	TCN1
Synonyms	TCN1; transcobalamin-1; haptocorin; haptocorrin; TC1; TCI; TC-1;
Gene ID	6947
mRNA Refseq	NM_001062
Protein Refseq	NP_001053
MIM	189905
UniProt ID	P20061

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