

Recombinant Human Transcobalamin-1(TCN1)

Catalog No: #AP70833

Package Size: #AP70833-1 20ug #AP70833-2 100ug #AP70833-3 1mg

Description

Product Name	Recombinant Human Transcobalamin-1(TCN1)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:24-433aaSequence Info:Full Length
Other Names	Haptocorrin Short name: HC Protein R Transcobalamin I Short name: TC I Short name: TCI
Accession No.	P20061
Calculated MW	61.6 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	EICEVSEENYIRLKPLLNTMIQSNYNRGTSAVNVVLSLKLVGIIQITLMQKMIQIKYNVKSRLSDVSSGELALIL ALGVCRNAEENLIYDYHLIDKLENKFQAEIENMEAHNGTPLTNYQLSLDLALCLFNGNYSTAEVNVHFTPEN KNYYFGSQFSVDTGAMAVLALTCVKKSLINGQIKADEGSLKNISIYTKSLVEKILSEKKENGLIGNTFSTGEAMQ ALFVSSDYNNENDWNCQQLNTVLTEISQGAFSNPNAAAQVLPALMGKTFDINKDSSCVSASGNFNISADEPI TVTPPDSQSYISVNYSVRINETYFTNVTVLNGSVFLSVMEKAQKMNDTIFGFTMEERSWGPYITCIQGLCANN DRTYWELLSGGEPLSQGAGSYVVRNGENLEVRWSKY
Formulation	Tris-based buffer50% glycerol
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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Binds vitamin B12 with femtomolar affinity and protects it from the acidic environment of the stomach.

References

"Structural basis for universal corrinoid recognition by the cobalamin transport protein haptocorrin."Furger E., Frei D.C., Schibli R., Fischer E., Prota A.E.J. Biol. Chem. 288:25466-25476(2013) Research Topic:Signal Transduction

Note: This product is for in vitro research use only and is not intended for use in humans or animals.