



# Recombinant Human Transcobalamin-1 (TCN1)

<b>Product Code</b>	CSB-MP023317HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P20061
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	EICEVSE ENYIRLKPLL NTMIQSNYNR GTSAVNVVLS LKLVGIQIQT LMQKMIQKIK YNVKSRLSDV SSGELALIIL ALGVCRNAEE NLIYDYHLID KLENKFQAEI ENMEAHNGTP LTNYYQLSLD VLALCLFNGN YSTAEVVNHF TPENKNYYFG SQFSVDTGAM AVLALTCVKK SLINGQIKAD EGSLKNISYI TKSLVEKILS EKKENGLIGN TFSTGEAMQA LJVSSDYNE NDWNCQQTLN TVLTEISQGA FSNPNAAAQV LPALMGKTFD DINKDSSCVS ASGNFNISAD EPITVTPPDS QSYISVNYSV RINETYFTNV TVLNGSVFLS VMEKAQKMND TIFGFTMEER SWGPYITCIQ GLCANNNDRT YWELLSGGEP LSQGAGSYVV RNGENLEVRW SKY
<b>Source</b>	Mammalian cell
<b>Target Names</b>	TCN1
<b>Protein Names</b>	Recommended name: Transcobalamin-1 Short name= TC-1 Alternative name(s): Transcobalamin I Short name= TC I Short name= TCI
<b>Expression Region</b>	24-433
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This gene encodes a member of the vitamin B12-binding protein family. This family of proteins, alternatively referred to as R binders, is expressed in various tissues and secretions. This protein is a major constituent of secondary granules in neutrophils and facilitates the transport of cobalamin into cells.
<b>Reconstitution</b>	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.
<b>Shelf Life</b>	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.