



# Recombinant Human Transcobalamin-2 (TCN2)

<b>Product Code</b>	CSB-MP023318HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P20062
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	EM CEIPEMDSHL VEKLGQHLLP WMDRLSLEHL NPSIYVGLRL SSLQAGTKED LYLHSLKLG Y QQCLLGSAFS EDDGDCQGK P SMGQLALYLL ALRANCEFVR GHKGDRLVSQ LKWFLLEDEKR AIGHDHK GHP HTSYYQYGLG ILALCLHQKR VHDSVVDKLL YAVEPFHQGH HSDVTAAMAG LAFTCLKRSN FNPGRQRIT MAIRTVREEI LKAQTPEGHF GNVYSTPLAL QFLMTSPMRG AELGTACLKA RVALLASLQD GAFQNALMIS QLLPVLNHKT YIDLIFPDCL APRVMLEPAA ETIPQTQEII SVTLQVLSLL PPYRQISIVL AGSTVEDVLK KAHELGGFTY ETQASLSGPY LTSVMGKAAG EREFWQLLRD PNTPLLQGIA DYRPKDGETI ELRLVSW
<b>Source</b>	Mammalian cell
<b>Target Names</b>	TCN2
<b>Protein Names</b>	Recommended name: Transcobalamin-2 Short name= TC-2 Alternative name(s): Transcobalamin II Short name= TC II Short name= TCII
<b>Expression Region</b>	19-427
<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 plasma protein binds cobalamin and mediates the transport of cobalamin into cells. This protein and other mammalian cobalamin-binding proteins, such as transcobalamin I and gastric intrinsic factor, may have evolved by duplication of a common ancestral gene.
<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.