



Recombinant Human Alpha-tocopherol transfer protein (TTPA)

Product Code	CSB-EP025268HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P49638
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MAEARSQPSA GPQLNALPDH SPLLPGLAA LRRRAREAGV PLAPLPLTDS FLLRFLRARD FDLDLAWRL KNYKWRAC PEISADLHPR SIIGLLKAGY HGVLSRDPT GSKVLIYRIA HWDPKVFTAY DVFRVSLITS ELIVQEVETQ RNGIKAIFDL EGWQFSHAFQ ITPSVAKKIA AVLTDSFPLK VRGIHLINEP VIFHAVFSMI KPFLTEKIKE RIHMHGNNYK QSLQHFDPDI LPLEYGGEEF SMEDICQEWTFIMKSELYLSSISESIQ
Source	E.coli
Target Names	TTPA
Protein Names	Recommended name: Alpha-tocopherol transfer protein Short name= Alpha-TTP
Expression Region	1-278
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	This gene encodes a soluble protein that binds alpha-tocopherol, a form of vitamin E, with high selectivity and affinity. This protein plays an important role in regulating vitamin E levels in the body by transporting vitamin E between membrane vesicles and facilitating the secretion of vitamin E from hepatocytes to circulating lipoproteins. Mutations in this gene cause hereditary vitamin E deficiency (ataxia with vitamin E deficiency, AVED) and retinitis pigmentosa.
Reconstitution	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.
Shelf Life	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.