



Recombinant Human Torsin-1A (TOR1A)

Product Code	CSB-EP024067HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O14656
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	VEPISLGLAL AGVLTGYIYP RLYCLFAECC GQKRSL SREA LQKDLDDNLF GQHLAKKIIL NAVFGFINNP KPKKPLTSL HGWTGTGKNF VSKIIAENIY EGGLNSDYVH LFVATLHFPH ASNITLYKDQ LQLWIRGNVS ACARSIFIFD EMDKMHAGLI DAIKPFLDYY DLVDGVSYQK AMFIFLSNAG AERITDVALD FWRSGKQRED IKLKDIEHAL SVSVFNNKNS GFWHSSLIDR NLIDYFVPFL PLEYKHLKMC IRVEMQSRGY EIDEDIVSRV AEEMTFFPKE ERVFSDKGCK TVFTKLDYYY DD
Source	E.coli
Target Names	TOR1A
Protein Names	Recommended name: Torsin-1A Alternative name(s): Dystonia 1 protein Torsin family 1 member A
Expression Region	21-332
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 of Mature Protein
Target Details	This protein is a member of the AAA family of adenosine triphosphatases (ATPases), is related to the Clp protease/heat shock family and is expressed prominently in the substantia nigra pars compacta. Mutations in this gene result in the autosomal dominant disorder, torsion dystonia 1.
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.