

## 32-5105: Recombinant Human Torsin Family 1 Member A

**Alternative Name :** DQ2,DYT1,Torsin-1A,Dystonia 1 protein,Torsin family 1 member A,TOR1A.

### Description

Source : E.coli. TOR1A Human Recombinant produced in E. coli is a single polypeptide chain containing 333 amino acids (21-332) and having a molecular mass of 38kDa. TOR1A is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. TOR1A which is a member of the AAA family of adenosine triphosphatases (ATPases) is associated to the Clp protease/heat shock family and is expressed highly in the substantia nigra pars compacta. TOR1A functions as a molecular chaperone assisting in the suitable folding of secreted and/or membrane proteins. Mutations in TOR1A result in the autosomal dominant disorder, torsion dystonia one.

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	Greater than 90% as determined by SDS-PAGE.
<b>Content :</b>	The TOR1A solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.
<b>Storage condition :</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
<b>Amino Acid :</b>	MGSSHHHHHH SSGLVPRGSH MVEPISLGLA LAGVLTGYIY PRLYCLFAEC CGQKRSLRE ALQKDLDDNL FGQHLAKKII LNAVFGFINN PKPKKPLTLS LHGWTGTGKN FVSKIIAENI YEGGLNSDYV HLFVATLHFP HASNITLYKD QLQLWIRGNV SACARSIFIF DEMDKMHAGL IDAIKPFLDY YDLVDGVSQY KAMFIFLSNA GAERITDVAL DFWRSGKQRE DIKLDIEHA LSVSVFNNKN SGFWHSSLIH RNLIDYFVPF LPLEYKHLKM CIRVEMQSRG YEIDEDIVSR VAEEMTFFPK EERVFSKGC KTVFTKLDYY YDD.