

Torsin Family 1 Member A Human Recombinant

Item Number	rAP-3936
Synonyms	DQ2, DYT1, Torsin-1A, Dystonia 1 protein, Torsin family 1 member A, TOR1A.
Description	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.
Uniprot Accession Number	O14656
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MVEPISLGLA LAGVLTGYIY PRLYCLFAEC CGQKRSLSRE ALQKDLDDNL FGQHLAKKII LNAVFGFINN PKPKKPLTLS LHGWTGTGKN FVSKIAENI YEGGLNSDYV HLFVATLHFP HASNITLYKD QLQLWIRGNV SACARSIFIF DEMDKMHAGL IDAIKPFLDY YDLVDGVSYQ KAMFIFLSNA GAERITDVAL DFWRSGKQRE DIKLKDIEHA LSVSVFNNKN SGFWHSSLIH RNLIDYFVFP LPLEYKHLKM CIRVEMQSRG YEIDEDIVSR VAEEMTFFPK EERVFSKGC KTVFTKLDYY YDD.
Source	E.coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	The TOR1A solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**