Recombinant Human torsin family 1, member A (torsin A), His-tagged

Cat. No. TOR1A-536H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TOR1A, 21-332aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	21-332 a.a.
Description	TOR1A 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. Recombinant human TOR1A protein, His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Molecular Mass	38 kDa (333aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MVEPISLGLA LAGVLTGYIY PRLYCLFAEC CGQKRSLSRE ALQKDLDDNL FGQHLAKKII LNAVFGFINN PKPKKPLTLS LHGWTGTGKN FVSKIIAENI YEGGLNSDYV HLFVATLHFP HASNITLYKD QLQLWIRGNV SACARSIFIF DEMDKMHAGL IDAIKPFLDY YDLVDGVSYQ KAMFIFLSNA GAERITDVAL DFWRSGKQRE DIKLKDIEHA LSVSVFNNKN SGFWHSSLIH RNLIDYFVPF LPLEYKHLKM CIRVEMQSRG YEIDEDIVSR

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	VAEEMTFFPK EERVFSDKGC KTVFTKLDYY YDD
Purity	>90% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	TOR1A torsin family 1, member A (torsin A) [Homo sapiens]
Official Symbol	TOR1A
Synonyms	TOR1A; torsin family 1, member A (torsin A); dystonia 1, torsion (autosomal dominant; torsin A) , DYT1; torsin-1A; DQ2; dystonia 1 protein; torsin family 1 member A; dystonia 1, torsion (autosomal dominant; torsin A); DYT1;
Gene ID	1861
mRNA Refseq	NM_000113
Protein Refseq	NP_000104
MIM	605204
UniProt ID	O14656
Chromosome Location	9q32-q34

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Pathway	Alpha-synuclein signaling, organism-specific biosystem;
Function	ATP binding; nucleotide binding; serine-type endopeptidase activity; unfolded protein binding;

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