

Recombinant Human TOR1A

Cat. No. TOR1A-29827TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Torsin A with N-terminal proprietary tag.Mol Wt 62.63 kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	332 amino acids
Description	The protein encoded by this gene 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.
Molecular Weight	62.630kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids

MKLGRAVLGLLLLAPSVVQAVEPISLGLALAGVLTGYIYP RLYCLFAECCGQKRSL
 REALQKDLDDNLFGQHLAKKIIL NAVFGFINNPCKPKPLTSLHGWTGTGKNFVSKII
 AENIY EGGLNSDYVHLFVATLHFPHASNITLYKDQLQLWIRGNVS ACARSIFIDEM
 DKMHAGLIDAIKPFLDYDLDVGVSQK AMFIFLSNAGAERITDVALDFWRSGKQRE
 DIKLKDIEHAL SVSVFNNKNSGFWHSSLIHRNLIDYFVPFLPLEYKHLKMC IRVEMQS
 RGYEIDEDIVSRVAEEMTFFPKEERVFSKDGCK TVFTKLDYYYDD

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;

Gene ID 1861

mRNA Refseq NM_000113

Protein Refseq NP_000104

MIM 605204

Uniprot ID O14656

Chromosome Location 9q32-q34

Pathway Alpha-synuclein signaling, organism-specific biosystem;

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Function

ATP binding; nucleotide binding; serine-type endopeptidase activity; unfolded protein binding;

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