

Recombinant Human TOR1A Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TOR1A-454H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TOR1A MS Standard C13 and N15-labeled recombinant protein (NP_000104) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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 Mass	37.8 kDa
AA Sequence	MKLGRAVLGLLLLAPSVVQAVEPISLGLALAGVLTGYIYPRLYCLFAECCGQKRSLSR EALQKDLDDNLFQGHLAKKIILNAVFGFINNPKPKKPLTSLHGWTGTGKNFVSKIIAE NIYEGGLNSDYVHLFVATLHFPHASNITLYKDQLQLWIRGNVSACARSIFIDEMDKM HAGLIDAIKPFLDYDLVDGVSYQKAMFIFLSNAGAERITDVALDFWRSGKQREDIKL KDIEHALSVSVFNNKNSGFWHSSLIHRNLIDYFVPFLPLEYKHLKMCIRVEMQSRGYE IDEDIVSRVAEEMTFFPKEERVFSKDGCKTVFTKLDYYYDDSGPTRTRPLEQKLISEE DLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	TOR1A torsin family 1 member A [Homo sapiens (human)]
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

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SDS-PAGE

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