

AR50875PU-S

Human Torsin-1A (TOR1A) (21-332, His-tag) - Purified

Alternate names:

DYT1, Dystonia 1 protein, Torsin family 1 member A

Quantity:

0.1 mg

Concentration:

1 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[O14656](#)

NCBI:

[AAH00674](#)

GeneID:

[1861](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

Description:

Recombinant human TOR1A protein, His-tag at N-terminus, was expressed in E.coli.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MVEPISLGLA LAGVLTGYIY PRLYCLFAEC CGQKRSLRE
ALQKDLDDNL FGQHLAKKII LNAVFGFINN PKPKKPLTLS LHGWTGTGKN FVSKIIAENI
YEGGLNSDYV HLFVATLHFP HASNITLYKD QLQLWIRGNV SACARSIFIF DEMDKMHAGL
IDAIKPFLDY YDLVDGVSYQ KAMFIFLSNA GAERITDVAL DFWRSGKQRE DIKDKDIEHA
LSVSVFNNKN SGFWHSSLIH RNLIDYFVPF LPLEYKHLKM CIRVEMQSRG YEIDEDIVSR
VAEEMTFFPK EERVFSKGC KTVFTKLDYY YDD

Molecular weight: 38 kDa (333aa)

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Schmidt A, et al. (2012). Parkinsonism Relat Disord. 2012 Jun;18(5):690-1.

Pictures:

