

Recombinant human TOR1A protein

Catalog Number: ATGP2051

PRODUCT INFORMATION

Expression system

E.coli

Domain

21-332aa

UniProt No.

O14656

NCBI Accession No.

AAH00674

Alternative Names

Torsin-1A, DQ2, DYT1

PRODUCT SPECIFICATION

Molecular Weight

38 kDa (333aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

Amino acid Sequence

<MGSSHHHHHH SGLVPRGSH> MVEPISLGLA LAGVLTGYIY PRLYCLFAEC CGQKRSLSRE ALQKDLDDNL FGQHLAKKII

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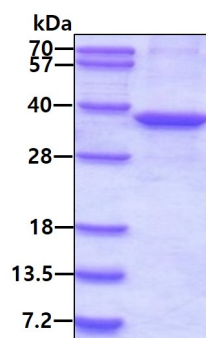
LNAVFGFINN PKPKKPLTLS LHGWTGTGKN FVSKIIAENI YEGGLNSDYV HLFVATLHFP HASNITLYKD QLQLWIRGNV
SACARSIFIF DEMDKMHAGL IDAIKPFLDY YDLVDGVSQ KAMFIFLSNA GAERITDVAL DFWRSGKQRE DIKLDIEHA
LSVSVFNNKN SGFWHSSLIH RNLIDYFVPF LPLEYKHLKM CIRVEMQSRG YEIDEDIVSR VAEEMTFFPK EERVFSKGC
KTVFTKLDYY YDD

General References

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

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by
coomassie blue stain