9051 Mira Mesa Blvd, #910094
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TOR1A Human

Torsin Family 1 Member A Human Recombinant
RCP2412

Product Overview

Name	TOR1A Human
Description	
Torsin Family 1 Member A Human Recombinant	
Accession (Primary)	O14656
Synonyms	
DQ2, DYT1, Torsin-1A, Dystonia 1 protein, Torsin family 1 member A, TOR1A.	
Introduction	
TOR1A which is a member of the AAA family of adenosine triphosphatases (ATPases) is associated to the Clp protease/heat shock family and is expressed highly in the substantia nigra pars compacta.TOR1A functions as a molecular chaperone assisting in the suitable folding of secreted and/or membrane proteins. Mutations in TOR1A result in the autosomal dominant disorder, torsion dystonia one.	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The TOR1A solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH M VEPISLGLA 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 VAEEMTFFPK EERVFSDKGC KTVFTKLDYY YDD.	

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Precautions

TOR1A Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O14656)