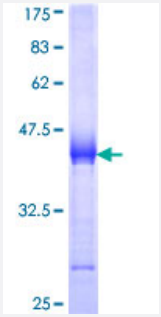
UTRN (Human) Recombinant Protein (Q01)

Catalog # H00007402-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human UTRN partial ORF (NP_009055, 3328 a.a. - 3433 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	LEARMQILEDHNKQLESQLHRLRQLLEQPESDSRINGVSPWASPQHSALSYSLDPDASGPQFHQ AAGEDLLAPPHDTSTDLTEVMEQIHSTFPSCCPNVPSRPQAM
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.4
Interspecies Antigen Sequence	Mouse (92)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — UTRN

Entrez GeneID	7402
GeneBank Accession#	NM_007124
Protein Accession#	NP_009055
Gene Name	UTRN
Gene Alias	DMDL, DRP, DRP1, FLJ23678
Gene Description	utrophin
Omim ID	128240
Gene Ontology	Hyperlink
Gene Summary	This gene shares both structural and functional similarities with the dystrophin gene. It contains an actin-binding N-terminus, a triple coiled-coil repeat central region, and a C-terminus that consists of protein-protein interaction motifs which interact with dystroglycan protein components. The prot ein encoded by this gene is located at the neuromuscular synapse and myotendinous junctions, w here it participates in post-synaptic membrane maintenance and acetylcholine receptor clustering . Mouse studies suggest that this gene may serve as a functional substitute for the dystrophin gen e and therefore, may serve as a potential therapeutic alternative to muscular dystrophy which is ca used by mutations in the dystrophin gene. Alternative splicing of the utrophin gene has been descr ibed; however, the full-length nature of these variants has not yet been determined. [provided by R efSeq
Other Designations	OTTHUMP00000017350|OTTHUMP00000040139|dystrophin-related protein

Disease

- Genetic Predisposition to Disease
- Schizophrenia
- Tobacco Use Disorder