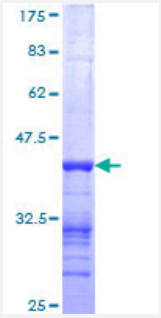
NEB (Human) Recombinant Protein (Q01)

Catalog # H00004703-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human NEB partial ORF (NP_004534, 2108 a.a. - 2217 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	NTKTSYHTPADMLSVTAAKDAQANITNTNYKHLIHKYILLPDAMNIELTRNMNRIQSDNEYKQDYNEW YKGLGWSPAGSLEVEKAKKATEYASDQKYRQHPSNFQFKKLT
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Interspecies Antigen Sequence	Mouse (95); Rat (96)
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 — NEB

Entrez GeneID	4703
GeneBank Accession#	NM_004543
Protein Accession#	NP_004534
Gene Name	NEB
Gene Alias	DKFZp686C1456, FLJ11505, FLJ36536, FLJ39568, FLJ39584, NEB177D, NEM2
Gene Description	nebulin
Omim ID	161650 256030
Gene Ontology	Hyperlink
Gene Summary	This gene encodes nebulin, a giant protein component of the cytoskeletal matrix that coexists with the thick and thin filaments within the sarcomeres of skeletal muscle. In most vertebrates, nebulin accounts for 3 to 4% of the total myofibrillar protein. The encoded protein contains approximately 30-amino acid long modules that can be classified into 7 types and other repeated modules. Prot ein isoform sizes vary from 600 to 800 kD due to alternative splicing that is tissue-, species-,and developmental stage-specific. Of the 183 exons in the nebulin gene, at least 43 are alternatively s pliced, although exons 143 and 144 are not found in the same transcript. Of the several thousand t ranscript variants predicted for nebulin, the RefSeq Project has decided to create three represent ative RefSeq records. Mutations in this gene are associated with recessive nemaline myopathy. [provided by RefSeq
Other Designations	-

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema