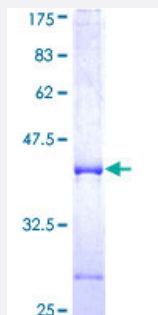


NRXN3 (Human) Recombinant Protein (Q01)

Catalog # H00009369-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human NRXN3 partial ORF (NP_620426, 101 a.a. - 210 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	PANDRPSTRSDRLAVGFSTTVKDGILVRIDSAPGLGDFLQLHIEQGGKIGVVFNIGTVDISIKEERTPV NDGKYHVVRFTNRNGGNATLQVDNWPVNEHYPTGRQLTIFNTQ
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
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 — NRXN3

Entrez GeneID [9369](#)

GeneBank Accession# [NM_138970](#)

Protein Accession# [NP_620426](#)

Gene Name NRXN3

Gene Alias KIAA0743, MGC176711

Gene Description neurexin 3

Omim ID [600567](#)

Gene Ontology [Hyperlink](#)

Gene Summary Neurexins are a family of proteins that function in the vertebrate nervous system as cell adhesion molecules and receptors. They are encoded by several unlinked genes of which two, NRXN1 and NRXN3, are among the largest known human genes. Three of the genes (NRXN1-3) utilize two alternate promoters and include numerous alternatively spliced exons to generate thousands of distinct mRNA transcripts and protein isoforms. The majority of transcripts are produced from the upstream promoter and encode alpha-neurexin isoforms; a much smaller number of transcripts are produced from the downstream promoter and encode beta-neurexin isoforms. The alpha-neurexins contain epidermal growth factor-like (EGF-like) sequences and laminin G domains, and have been shown to interact with neurexophilins. The beta-neurexins lack EGF-like sequences and contain fewer laminin G domains than alpha-neurexins. [provided by RefSeq]

Other Designations neurexin III

Pathway

- [Cell adhesion molecules \(CAMs\)](#)

Disease

- [Alcoholism](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Obesity](#)
- [Schizophrenia](#)
- [Tobacco Use Disorder](#)
- [Tooth Abnormalities](#)