

Neurexin-3-beta / NRXN3 Active Protein | NRXN3 active protein

Recombinant Human NRXN3 Protein (His Tag)(Active)

CATALOG # AAA173540	HOST HEK293 Cells
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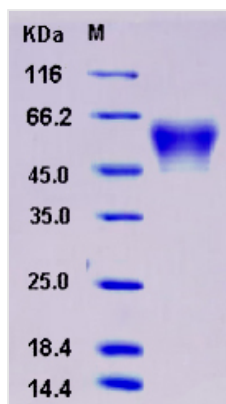
PRODUCT SYNONYMS

Neurexin-3-beta / NRXN3; Recombinant Human NRXN3 Protein (His Tag)(Active); C14orf60; KIAA0743; MGC176711; NRXN3 active protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	> 94 % as determined by reducing SDS-PAGE.
Form/Format	Lyophilized from sterile PBS, pH 7.4, 5% Trehalose, 5% Mannitol, 0.01% Tween-80.
Predicted N Terminal	Ser 36
Tag	C-His
Bio_activity	Measured by the ability of the immobilized protein to support the adhesion of C6 Rat brain glial cells. When 5 x 10E4 cells/well are added to NRXN3 coated plates (0.8 ug/ml and 100 ul/well), approximately 30%-50% will adhere specifically after 60 minutes at 37 degree C.
Endotoxin	< 1.0 EU per ug as determined by the LAL method.
Reconstitution	We recommend that the vial be centrifuged to opening to bring the contents to the bottom. Do not mix by vortex. It is recommended that sterile PBS, pH7.4 (400ul) be added to the vial to prepare a stock solution of 0.25mg/mL. Concentration is measured by UV-Vis.
Preparation and Storage	Ships on blue ice. Lyophilized proteins are stable for up to 12 months when stored at -20 degree C to -80 degree C. Reconstituted protein solution can be stored at 4-8 degree C for 2-7 days. Aliquots of reconstituted samples are stable at < -20 degree C for 3 months.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for NRXN3 active protein	Background: Neurexin-3-beta, also known as Neurexin III-beta and NRXN3, is a single-pass type I membrane protein which belongs to the neurexin family. It contains one laminin G-like domain. It is a neuronal cell surface protein that may be involved in cell recognition and cell adhesion. 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, NRXN2, NRXN3) 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 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. NRXN3 have been linked to genetic predisposition towards a number of conditions such as alcohol or drug addiction, or obesity. Description: A DNA sequence encoding the human NRXN3 beta isoform 2 (NP_620426.2) extracellular domain (Met 1-Thr 357) was expressed, with a polyhistidine tag at the C-terminus.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	41350305
NCBI GeneID	9369
NCBI Accession #	NP_620426.2
NCBI GenBank Nucleotide #	NM_138970.4
UniProt Accession #	Q9HDB5; Q6NUR0; Q8IUD8; A5PKW8; A8MPU5; B3KPM7; Q9Y4C0
Molecular Weight	Mol_Mass: 36 kDa AP_Mol_Mass: 50-60 kDa
NCBI Official Full Name	neurexin 3 isoform 2
NCBI Official Synonym Full Names	neurexin 3
NCBI Official Symbol	NRXN3
NCBI Official Synonym Symbols	C14orf60
NCBI Protein Information	neurexin 3
UniProt Protein Name	Neurexin-3-beta
UniProt Gene Name	NRXN3
UniProt Synonym Gene Names	KIAA0743; NRXN3-CTF

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.