

Recombinant Full Length Human neurexin 3 Protein, Flag tagged

Cat. No. NRXN3-20HFL Lot. No. (See product label)

SPECIFICATION

Product Overview

Recombinant protein of human neurexin 3 (NRXN3), transcript variant 1, with C-Myc/DDK tag was expressed in HEK293.

Species

Human

Source

HEK293

ProteinLength

1-637aa

Description

This gene encodes a member of a family of proteins that function in the nervous system as receptors and cell adhesion molecules. Extensive alternative splicing and the use of alternative promoters results in multiple transcript variants and protein isoforms for this gene, but the full-length nature of many of these variants has not been determined. Transcripts that initiate from an upstream promoter encode alpha isoforms, which contain epidermal growth factor-like (EGF-like) sequences and laminin G domains. Transcripts initiating from the downstream promoter encode beta isoforms, which lack EGF-like sequences. Genetic variation at this locus has been associated with a range of behavioral phenotypes, including alcohol dependence and autism spectrum disorder.

Tag


C-Flag

Molecular Mass

114.6 kDa

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AA Sequence

MLGSDDFFYVGGSPSTADLPGSPVSNNFMGCLKEVVYKNNDIRLELSRLARIADTK
 MKIYGEVVFKEENVATLDPINFETPEAYISLPKWNTKRMGSISFDFRTTEPNGLILFTH
 GKPQERKDARSQKNTKVDFFAVELLDGNLYLLLDMGSGTIKVKATQKKANDGEWYH
 VDIQRDGRSGTISVNSRRTPTASGESEILDLEGDMYLGGLPENRAGLILPTELWTA
 MLNYGYVGCIRDLFIDGRSKNIRQLAEMQNAAGVKSSCSRMSAKQCDSYPCKNNAV
 CKDGNRFICDCTGTGYWGRTCEREASILSYDGSMYMKIIMPVMVHTEAEDVSFRF
 MSQRAYGLLVATTSRDSADTLRLELDGGRVKLMVNLDCIRINCNSSKGPETLYAGQK
 LNDNEWHTVRVRRGKSLKLTVDVDAEGTMVGDHTRLEFHNIETGIMTEKRYISVV
 PSSFIGHLQSLMFNGLLYIDLCKNGDIDYCELKARFGLRNIIADPVTFTKSSYLSLATL
 QAYTSMHLFFQKTTSPDGFILFNSGDGNDFIAVELVKGYIHVFDLNGPNVIKONS
 DRPLNDNQWHNVITRDNSNTHSLKVDTKVVTQVINGAKNLDLKGDLYMAGLAQGM
 YSNLPKLVASRDGFQGLASVDLNGRLPDLINDALHRSGQIERGCEGPSTTCQEDS
 CANQGVCMMQQWEGFTCDCSMTSYSGNQCNDPGATYIFGKSGGLILYTPANDRP
 STRSDRLAVGFSTTVKDGILVRIDSAPGLGDFLQLHIEQKGIGVVFNIGTVDISIKEERT
 PVNDGKYHVRFTRNGGNATLQVDNWPVNEHYPTGRQLTIFNTQAQIAIGGKDKGR
 LFQGQLSGLYYDGLKVLNMAAENPNIKINGSVRLVGEVPSILGTTQTTSMPPEMST
 TVMETTTTMAATTTTRKNRSTASIQPTSDDLVSSEAECSSDDEDFVECEPSTANPTEPG
 IRRVPGASEVIRESSSTTGMVVGIVAAAALCILLIYAMYKYRNRDEGSYQVDETRNYI
 SNSAQSNGLTMKEKQQSSKSGHKKQKNKDREYYVTRTRPLEQKLISEEDLAANDIL
 DYKDDDDKV

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Stability

Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Storage

Store at -80 centigrade.

Concentration

> 0.05 µg/µL as determined by microplate BCA method

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Storage Buffer 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Notes

For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

GENE INFORMATION

Gene Name NRXN3 neurexin 3 [Homo sapiens (human)]

Official Symbol NRXN3

Synonyms NRXN3; neurexin 3; C14orf60, chromosome 14 open reading frame 60; neurexin-3-beta; KIAA0743; neurexin III; neurexin III-beta; neurexin III-alpha; C14orf60; MGC176711;

Gene ID 9369

mRNA Refseq NM_004796

Protein Refseq NP_004787

MIM 600567

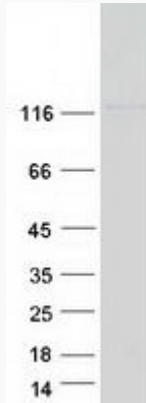
UniProt ID Q9HDB5

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SDS-PAGE



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