

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
 MKIYGEVVFKECVATLDPINFETPEAYISLPKWNTKRMGSISFDFRTTEPNGLILFTH
 GKPQERKDARSQKNTKVDFFAVELLDGNLYLLLDMSGTIKVKATQKKANDGEWYH
 VDIQRDGRSGTISVNSRRTPTASGESEILDLEGDMYLGGLPENRAGLILPTELWTA
 MLNYGYVGCIRDLFIDGRSKNIRQLAEMQNAAGVKSSCSRMSAKQCDSYPCKNNAV
 CKDGWNRFCIDCTGTGYWGRTCEREASILSYDGSMYMKIIMPMVMHTEAEDVSFRF
 MSQRAYGLLVATTSRDSADTLRLELDGGRVKLMVNLDCIRINCNSSKGPETLYAGQK
 LNDNEWHTVRVRRGKSLKLTVDVDAEGTMVGDHTRLEFHNIETGIMTEKRYISVV
 PSSFIGHLQSLMFNGLLYIDLCKNGDIDYCELKARFGLRNIIADPVTFTKSSYLSLATL
 QAYTSMHLFFQKTTSPDGFILFNSGDGNDFIARELVKGYIHVFDLNGPNVIKNS
 DRPLNDNQWHNVITRDNSNTHSLKVDTKVVTQVINGAKNLDLKGDLYMAGLAQGM
 YSNLPKLVASRDGFQGCCLASVDLNGRLPDLINDALHRSGQIERGCEGPSTTCQEDS
 CANQGVCMQQWEGFTCDCSMTSYSGNQCNDPGATYIFGKSGGLILYTPANDRP
 STRSDRLAVGFSTTVKDGILVRIDSAPGLGDFLQLHIEQKGIGVVFNIGTVDISIKEERT
 PVNDGKYHVVRFRTRNGGNATLQVDNWPVNEHYPTGRQLTIFNTQAQIAIGGKDKGR
 LFQGQLSGLYYDGLKVLNMAAENNPNIKINGSVRLVGEVPSILGTTQTTSMPPEMST
 TVMETTTTMTTTTRKNRSTASIQPTSDDLVSSEACSSDDEDFVECEPSTANPTEPG
 IRRVPGASEVIRESSSTTGMVVGIVAAAALCILILLYAMYKYRNRDEGSYQVDETRNYI
 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

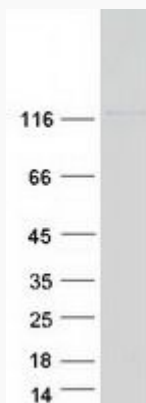
MIM 600567

UniProt ID Q9HDB5

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SDS-PAGE

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