

Product datasheet for PH323448

NRXN3 (NM_004796) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NRXN3 MS Standard C13 and N15-labeled recombinant protein (NP_004787)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC223448
Predicted MW:	117.32 kDa
Protein Sequence:	>RC223448 representing NM_004796 Red=Cloning site Green=Tags(s)

MLGSDDFFVYVGGSPSTADLPGSPVSNFMGCLKEVVYKNNDIRLELSRLARIADTKMKIYGEVVFVCENV
ATLDPINFETPEAYISLPKWNTKRMGSISDFRTEPNGLILFTHGKPQERKDARSQKNTKVDFFAVELL
DGNLYLLLDMSGTIKVKATQKKANDGEWYHVDIQRDGRSGTISVNSRRTPTASGESEILDLEGMVYLG
GLPENRAGLILPTELWTAMLNYGVYGCIRDLFIDGRSKNIRQLAEMQNAAGVKSSCSRMSAKQCDSYPCK
NNAVCKDGWNRFCDCGTGTGYWGRTCEREASILSYDGSMMYMKIIMPVMHTEAEDVSFRFMSQRAYGLLV
ATTSRDSADTLRLELDGGRVKLMVNLDCIRINCNSKGPETLYAGQKLNDEWHTVRVRRGKSLKLTVD
DDVAEGTMVGDHTRLEFHNIETGIMTEKRYISVVPSSFIGHLQSLMFNGLLYIDLCKNGDIDYCELKARF
GLRNIIADPVTFKTKSSYLSLATLQAYTSMHLFFQFKTTPDGFILFNSGDGNDFAVELVKGYIHYVFD
LGNGPNVIKGNDRPLNDNQWHNVVITRDNSENTHSLKVDTKVVTQVINGAKNLDLKGDLYMAGLAQGMYS
NLPKLVASRDGFQGLASVDLNGRPLDLINDALHRSGQIERGCEGPSTTCQEDSCANQGVCMQQWEGFTC
DCSMTSYSGNQCNPDGATYIFGKSGGLILYTPANDRPSTRSDRLAVGFSTTVKDGILVRIDSAPGLGDF
LQLHIEQKIGVVFNIQVVDISIKEERTPVNDGKYHVVRFRNGGNATLQVDNWPVNEHYPTGRQLTIFN
TQAQIAIGGKDKGRLFQQQLSGLYYDGLKVLNMAAENPNINIKINGSVRLVGEVPSILGTTQTTSMPPEMS
TTVMETTTMATTTTRKNRSTASIQPTSDDLVSSAECSSDDEDFVECEPSTANPTEPGIRRVPGASEVIR
ESSSTTGMMVGIIVAAAALCILILLYAMYKYRNRDEGSYQVDETRNYISNSAQSNGLTMKEKQSSKSGHK
KQKNKDREYVV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3



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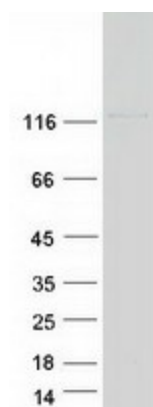
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_004787
RefSeq Size:	6148
RefSeq ORF:	3183
Synonyms:	C14orf60
Locus ID:	9369
UniProt ID:	Q9Y4C0 , Q9HDB5
Cytogenetics:	14q24.3-q31.1

Summary: 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. [provided by RefSeq, Dec 2012]

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cell adhesion molecules (CAMs)

Product images:



Coomassie blue staining of purified NRXN3 protein (Cat# [TP323448]). The protein was produced from HEK293T cells transfected with NRXN3 cDNA clone (Cat# [RC223448]) using MegaTran 2.0 (Cat# [TT210002]).