

Recombinant Human NRXN3 Protein, His-tagged

Cat. No. NRXN3-2513H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NRXN3 Protein (Phe28-Ser311) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Phe28-Ser311
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 35.7 kDa Accurate Molecular Mass: 36 kDa

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Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

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_001105250

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Protein Refseq	NP_001098720
MIM	600567
UniProt ID	Q9HDB5

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