

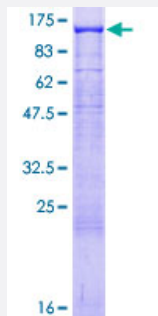
Full-Length

NLGN3 (Human) Recombinant Protein (P01)

Catalog # H00054413-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human NLGN3 full-length ORF (AAH51715.1, 1 a.a. - 828 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MWLR LGPPSLSLSPKPTVGRSLCLTWFLSLALRASTQAPAPT VNT HFGKLRGARVPLPSEILGP
VDQYLGV PYAAPP IGEKRFLPPEPPPYWSGIRNATHFPPVCPQNIHTAVPEVMLPVWFTANLDVA
TYIQEPNEDCLYLN VYVPTEDGSGAKKQGEDLADNDGDEDEDIRD SGAKPVMVYIHGGSYMEGT
GNMIDGSILASYGNVMITLNYRVGVLGFLSTGDQAAKGNYGLLDQIQALRWVSENIAFFGGDPRRIT
VFGSGIGASCVSLLT LSHHSEGLFQRAIIQSGSALSSWAVNYQPVKYTSLLADKVGCNVLDTVDM
VDCLRQKSAKELVEQDIQPARYHVAFGPVIDGDVIPDDPEILMEQGEFLNYDIMLGVNQGEGLKFV
EGVVDPEDGVSGTDFDYSVSNFVDNLYGYPEGKDTLRETIFMYTDWADRDNPETRRKTLVALF
TDHQWVEPSVVTADLHARYGSPTYFYAFYHHCQSLMKPAWSDAAHGDEVYPYFGVPMVGPTDL
FPCNFSKNDVMLS AVVMTYWTNFAKTGDPNKPVPQDTKFIHTKANRFEEVAWSKYNPRDQLYLHI
GLKPRVRDHYRATKVAFWKHLVPHLYNLHDMFHYTSTTTKVPPDTHSSHITRRPNGKTWSTKR
PAISPAYSNENAAQGSWNGDQDAGPLLVENPRDYSTELSVTIAGVASILFLNVLAFAALYYRKDKRR
QEPLRQSPQRGAWAPELGAAPEEELAAALQLGPTHHECEASPPHDTLRLTALPDYTLTLRRSPD
DIPLMTPNTITMIPNSLVGLQTLHPYNTFAAGFNSTGLPHSHSTTRV

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

118.2

Interspecies Antigen Sequence

Mouse (98); Rat (96)

Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — NLGN3

Entrez GeneID	54413
GeneBank Accession#	BC051715.1
Protein Accession#	AAH51715.1
Gene Name	NLGN3
Gene Alias	ASPGX1, AUTSX1, HNL3, KIAA1480
Gene Description	neuroligin 3
Omim ID	300336 300425 300494
Gene Ontology	Hyperlink

Gene Summary

This gene encodes a member of a family of neuronal cell surface proteins. Members of this family may act as splice site-specific ligands for beta-neurexins and may be involved in the formation and remodeling of central nervous system synapses. Mutations in this gene may be associated with autism and Asperger syndrome. Multiple transcript variants encoding distinct isoforms have been identified for this gene, but their full length sequences have not been determined. [provided by RefSeq]

Other Designations

OTTHUMP00000023498

Pathway

- [Cell adhesion molecules \(CAMs\)](#)

Disease

- [Asperger Syndrome](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [NARP](#)