

## Product datasheet for **TP307955**

### Neuroigin 3 (NLGN3) (NM\_018977) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human neuroigin 3 (NLGN3), 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA** >RC207955 protein sequence

**Clone or AA** **Red**=Cloning site **Green**=Tags(s)

**Sequence:**

MWLRRLGPPSLSLSPKPTVGRSLCLTLWFLSLALRASTQAPAPT VNTHFGKLRGARVPLPSEILGPVDQYL  
GVPYAAPPIGEKRFLPPEPPPYWSGIRNATHFPPVCPQNIHTAVPEVMLPVWFTANL DIVATYIQEPNED  
CLYLN VVYPTEDGSGAKKQGEDLADNDGDEDEDIRDSGAKPVMVYIHGGSYMEGTGNMIDGSILASYGNV  
MITLNYRVGVLGFLSTGDQAAKGN YGLLDQIQALRWVSENI AFFGGDPRRITVFGSGIGASCVSLTLS  
HHSEGLFQRAIIQSGSALSSWAVNYQPVKYTSLLADKVGCVNLDTVDMVDCLRQKSAKELVEQDIQPARY  
HVAFGPVIDGDVIPDDPEILMEQGEFLNYDIMLGVNQGEGLKFVEGVDPEDGVS GTFDYSVSNFVDNL  
YGYPEGKDTLRETIFMYTDWADRDNPETRRKTLVALFTDHQWVEPSVVTADLHARYGSPTYFYAFYHHC  
QSLMKPAWSDAAHGDEVYVFGVPMVGPTDLFPCNFSKNDVMSAVVMTYWTNFAKTGDPNKPVPQDTKF  
IHTKANRFEEVAWSKYNPRDQLYLHIGLKPRVRDHYRATKVAFWKHLVPHLYNLHDMFHYTSTTTKVP  
DTHSSHITRRPNGKTWSTKRPAISPAYSNENAQGSWNGDQDAGPLLVENPRDYSTELSVTIAVGASILF  
LNVLAFAALYRKDKRRQEPLRQPSPQRGAWAPELGAPEEEL AALQLGPTHHECEASPPHDTLRLTALP  
DYTLTLRRSPDDIPLMTPNTITMIPNSLVGLQLHPYNTFAAGFNSTGLPHSHSTTRV

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 91.4 kDa

**Concentration:** >0.1 µg/µL as determined by microplate BCA method

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

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

**Bioactivity:** Cell treatment (PMID: [25913192](#))

Cell treatment (PMID: [28959975](#))

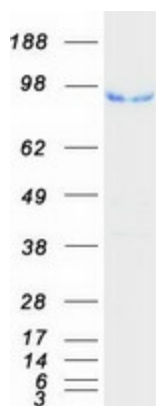
**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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|                          |  |
|--------------------------|--|
| <b>Note:</b>             | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.   |
| <b>Storage:</b>          | Store at -80°C.  |
| <b>Stability:</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.  |
| <b>RefSeq:</b>           | <u>NP_061850</u>   |
| <b>Locus ID:</b>         | 54413  |
| <b>UniProt ID:</b>       | <u>Q9NZ94, X5D2P6, Q4G160</u>  |
| <b>RefSeq Size:</b>      | 3935   |
| <b>Cytogenetics:</b>     | Xq13.1   |
| <b>RefSeq ORF:</b>       | 2484   |
| <b>Synonyms:</b>         | HNL3   |
| <b>Summary:</b>          | 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. [provided by RefSeq, Oct 2009] |
| <b>Protein Families:</b> | Druggable Genome, Transmembrane  |
| <b>Protein Pathways:</b> | Cell adhesion molecules (CAMs)   |

### Product images:



Coomassie blue staining of purified NLGN3 protein (Cat# TP307955). The protein was produced from HEK293T cells transfected with NLGN3 cDNA clone (Cat# [RC207955]) using MegaTran 2.0 (Cat# [TT210002]).