

Product datasheet for PH314651

Neuroigin 4 (NLGN4Y) (NM_014893) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NLGN4Y MS Standard C13 and N15-labeled recombinant protein (NP_055708)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214651
Predicted MW:	92 kDa
Protein Sequence:	>RC214651 protein sequence Red=Cloning site Green=Tags(s)

MLRPQGLLWLPPLFTSVCVMLNSNVLLWITALAIKFTLIDSQAQYVVTNYGKIQGLRTPLPSEILGPV
EQYLGVPYASPTGERRFQPPESSSWTGIRNATQFSAVCPQHLDERFLLDHMLPIWFTTSLDTLMTYVQ
DQNEDECLYLNIIYVPMEDDIHEQNSKKPVMVYIHGGSYMEGTGNMIDGSILASYGNVIVITINYRLGILGF
LSTGDQAAKGNYGLLDQIQALRWIEENVGAFGGDPKRVTFGSGAGASCVSLLTLSHYSEGLFQKAIQSQ
GTALSSWAVNYQPAKYTRILADKVGCMMLDITDMVECLKNKNYKELIQQTITPATYHIAFGPVIDGDVIP
DDPQILMEQGEFLNYDIMLGVNQGEGLKFVDGIVDNEGVTPNDFDFSVSNFVDNLYGYPEGKDTLRETI
KFMYPDWADKENPETERRTLVALFTDHQWVAPAVATADLHAQYGSPTYFYAFYHHCQSEMKPSWADSAHG
DEVPPYVFGIPMIGPTLFCNF SKNDVMLS AVVMTYWTNFAKTGDPNQVPQDTKF IHTKPNRFEEVAWS
KYNPKDQLYLHIGLKPRVRDHYRATKVAFWLEL VPHLHNLNEIFQYVSTTKVPPDMTSFPYGTRRSPA
KIWPTTKRPAITPANNPKHSDPKHTGPEDTTVLIETKRDYSTELSVTI AVGASLLFLNILAFAALYYKK
DKRRHETHRHPSQRNTTNDITHIQNEEIMSLQMKQLEHDHECESLQAHDTLRLTCPDPYTLTLRRSPDD
IPFMPNTITMIPNTLMGMQPLHTFKTFSGGQNSTNLPHGHSTTRV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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
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:	<u>NP_055708</u>



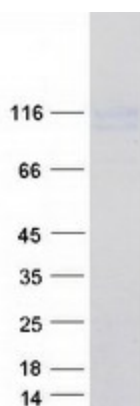
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RefSeq Size:	5409
RefSeq ORF:	2448
Synonyms:	HNL4Y
Locus ID:	22829
UniProt ID:	Q8NFZ3 , A0A024R9E7
Cytogenetics:	Yq11.221

Summary: This gene encodes a type I membrane protein that belongs to the family of neuroligins, which are cell adhesion molecules present at the postsynaptic side of the synapse, and may be essential for the formation of functional synapses. Alternatively spliced transcript variants have been found for this gene.[provided by RefSeq, Mar 2011]

Protein Families: Druggable Genome, Transmembrane

Product images:



Coomassie blue staining of purified NLGN4Y protein (Cat# [TP314651]). The protein was produced from HEK293T cells transfected with NLGN4Y cDNA clone (Cat# [RC214651]) using MegaTran 2.0 (Cat# [TT210002]).