

Recombinant Human NLGN1 Protein (Gln46-Ser694)

Catalog #	Source	Reactivity	Applications
CRP2014	Human cells	Human	E, WB, SDS-PAGE, MS

Description	Recombinant Human NLGN1 Protein is produced by our Mammalian expression system and the target gene encoding Gln46-Leu676 is expressed with a 6His tag at the C-terminus.
Form	Lyophilized from a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
Gene Symbol	NLGN1
Alternative Names	KIAA1070; Neuroligin-1
Entrez Gene	22871 (Human)
SwissProt	Q8N2Q7 (Human)
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
Chemical Structure	<p>QKLEDDVDPLV ATNFGKIRGI KKELNNEILG PVIQFLGVPY AAPPTGERRF QPPEPPSPWS</p> <p>DIRNATQFAP VCPQNIIDGR LPEVMLPVWF TNNLDVSSY VQDQSEDCLY LNIYVPTEDG</p> <p>PLTKKRDEAT LNPPDTRDIR SGGPKPVMVY IHGGSYMEGT GNLYDGSVLA SYGNVIVITV</p> <p>NYRLGVLGFL STGDQAAKGN YGLLDLIQAL RWTSENIGFF GGDPLRITVF GSGAGGSCVN</p> <p>LLTLSHYSEG NRWSNSTKGL FQRAIAQSGT ALSSWAVSFQ PAKYARMLAT KVGCVNSDTV</p> <p>ELVECLQKKP YKELVDQDIQ PARYHIAFGP VIDGDVIPDD PQILMEQGEF LNYDIMLGVN</p> <p>QGEGLKFVEN IVDSDDGISA SDFDFAVSNF VDNLYGYPEG KDLVRETIKF MYTDWADRHN</p> <p>PETRRKTLA LFTDHQWVAP AVATADLHNS FGSPTYFYAF YHHCQTDQVP AWADAAHGDE</p> <p>VPYVLGIPMI GPTFLFPCNF SKNDVMLSAV VMTYWTNFAK TGDPNQVPVQ DTKFIHTKPN</p> <p>RFEVAVTRY SQKDQLYLHI GLKPRVKEHY RANKVNLWLE LVPHLHNLND ISQYTTSTTK</p> <p>VPSTDITFRP TRKNSVPVTS AFPTAKQDDP KQSPSPFSVD QRDYSTEELSH HHHHH</p>
Quality Control	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

Directions for Use Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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