

Product datasheet

# Recombinant Human Neuroligin 3 protein ab162733

1 Image

Overview

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**Product name** Recombinant Human Neuroligin 3 protein  
**Protein length** Protein fragment

Description

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**Nature** Recombinant  
**Source** Wheat germ  
**Amino Acid Sequence**  
**Species** Human  
**Sequence** PRVRDHYRATKVAFWKHLVPHLYNLHDMFHYTSTTTK  
VPPPDTHSSHIT  
RRPNGKTWSTKRPAISPAYSNENAQGSWNGDQDAGP  
LLVENPRDYSTELS  
**Amino acids** 590 to 689  
**Tags** proprietary tag N-Terminus

Specifications

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Our [Abpromise guarantee](#) covers the use of **ab162733** in the following tested applications.  
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**Applications** Western blot  
ELISA  
**Form** Liquid  
**Additional notes** Protein concentration is above or equal to 0.05 mg/ml.

Preparation and Storage

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**Stability and Storage** Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.  
pH: 8.00  
Constituents: 0.31% Glutathione, 0.79% Tris HCl

## General Info

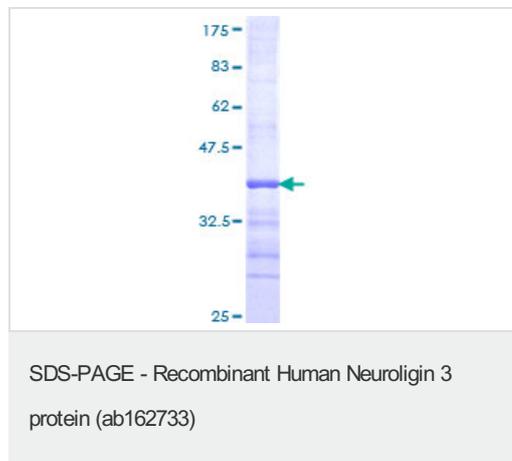
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|-------------------------------|--|
| <b>Function</b>               | Cell surface protein involved in cell-cell-interactions via its interactions with neurexin family members. Plays a role in synapse function and synaptic signal transmission, and may mediate its effects by clustering other synaptic proteins. May promote the initial formation of synapses, but is not essential for this. May also play a role in glia-glia or glia-neuron interactions in the developing peripheral nervous system.  |
| <b>Tissue specificity</b>     | Expressed in the blood vessel walls (at protein level). Detected in throughout the brain and in spinal cord. Detected in brain, and at lower levels in pancreas islet beta cells.  |
| <b>Involvement in disease</b> | <p>Autism, X-linked 1 (AUTSX1) [MIM:300425]: A complex multifactorial, pervasive developmental disorder characterized by impairments in reciprocal social interaction and communication, restricted and stereotyped patterns of interests and activities, and the presence of developmental abnormalities by 3 years of age. Most individuals with autism also manifest moderate mental retardation. Note=Disease susceptibility is associated with variations affecting the gene represented in this entry.</p> <p>X-linked Asperger syndrome 1 (ASPGX1) [MIM:300494]: Considered to be a form of childhood autism. Note=Disease susceptibility is associated with variations affecting the gene represented in this entry.</p> |
| <b>Sequence similarities</b>  | Belongs to the type-B carboxylesterase/lipase family.  |
| <b>Cellular localization</b>  | Cell membrane. Cell junction > synapse. Detected at both glutamatergic and GABAergic synapses.   |

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## Images

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ab162733 on a 12.5% SDS-PAGE stained with Coomassie Blue.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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