

## Neurologin 1

Cat.No. 129-0P; control protein, 100 µg protein (lyophilized)

### Data Sheet

Reconstitution/ Storage	100 µg protein, lyophilized. For reconstitution add 100 µl H <sub>2</sub> O to get a 1mg/ml solution in TBS. Then aliquot and store at -20°C until use.
Immunogen	Recombinant protein corresponding to AA 46 to 165 from rat Neurologin1 (UniProt Id: Q62765)
Recommended dilution	Optimal concentrations should be determined by the end-user.
matching antibodies	129 003
Remarks	This control protein consists of the recombinant protein (aa 46 - 165 of rat neurologin 1) that has been used for immunization. It has been tested in preadsorption experiments and blocks efficiently and specifically the corresponding signal in Western blots. The amount of protein needed for efficient blocking depends on the titer and on the affinity of the antibody to the antigen.

**TO BE USED IN VITRO / FOR RESEARCH ONLY**  
**NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS**

**Neuroligins** form a family of postsynaptic cell surface molecules that interact with  $\beta$ -neurexins. They are 110-120 kDa polypeptides with homology to acetylcholine esterase. **Neurologin 1** and neurologin 3 are specifically localized to post-synaptic densities of excitatory synapses whereas neurologin 2 is found exclusively on inhibitory synapses. Mutations in neurologin 3 and neurologin 4 have been implicated with a rare, heritable form of autism.

### Selected General References

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