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## **Bassoon**

Cat.No. 141-0P; control protein, 100 µg protein (lyophilized)

## **Data Sheet**

Reconstitution/ Storage	100 $\mu g$ protein, lyophilized. For reconstitution add 100 $\mu l$ H $_2$ O to get a 1mg/ml solution in TBS. Then aliquot and store at -20°C until use.
Immunogen	Recombinant protein corresponding to AA 3608 to 3938 from rat Bassoon (UniProt Id: O88778)
Recommended dilution	Optimal concentrations should be determined by the end-user.
matching antibodies	141 002, 141 003, 141 011, 141 021
Remarks	This control protein consists of the recombinant protein 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

**Bassoon** is a large protein which consists of an N-terminal Zn<sup>2+</sup> finger and several piccolo-bassoon homology domains (PBH-domains). It is generally found together with piccolo, a related huge multidomain protein of the CAZ (cytoskeletal matrix assembled at active zones). Bassoon was suggested to be a scaffolding element of the presynapse but deletion experiments in mice have shown that bassoon is also involved in synaptic vesicle cycling. Probably bassoon interacts with other protein factors via its Zn<sup>2+</sup> domain but the potential partners have not been determined yet.

## **Selected General References**

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