

## Syntaxin 4

Cat.No. 110-4P; 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 1 to 273 from rat Syntaxin4 (UniProt Id: Q08850)
Recommended dilution	Optimal concentrations should be determined by the end-user.
matching antibodies	110 041, 110 042, 110 043
Remarks	This control protein consists of the recombinant protein (aa 1 - 273) 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.

### Selected General References

Identification of SNAREs involved in regulated exocytosis in the pancreatic acinar cell.  
Hansen NJ, Antonin W, Edwardson JM  
The Journal of biological chemistry (1999) 274(32): 22871-6.

Membrane fusion and exocytosis.  
Jahn R, Südhof TC  
Annual review of biochemistry (1999) 68: 863-911.

The syntaxin family of vesicular transport receptors.  
Bennett MK, García-Arrarás JE, Elferink LA, Peterson K, Fleming AM, Hazuka CD, Scheller RH  
Cell (1993) 74(5): 863-73.

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

**Syntaxin 4**, a member of the SNARE family of proteins, is related to syntaxin 1. Like syntaxin 2 it is predominantly localized to the plasma membrane of a wide variety of cells. Similar to syntaxins 1, 2, and 3, it appears to be involved in the fusion of transport vesicles with the plasma membrane.