Synaptic Systems

Rudolf-Wissell-Str. 28
37079 Göttingen, Germany
Phone: +49 551-50556-0
Fax: +49 551-50556-384
E-mail: sales@sysy.com
Web: www.sysy.com

GS 15

Cat.No. 199-0P; control protein, 100 µg protein (lyophilized)

Data Sheet

Reconstitution/ Storage	100 µg protein, lyophilized. For reconstitution add 100 µl H_2O to get a 1mg/ml solution in TBS. Then aliquot and store at -20°C until use.
Immunogen	Recombinant protein corresponding to AA 3 to 86 from mouse GS15 (UniProt Id: O35153)
Recommended dilution	Optimal concentrations should be determined by the end-user.
matching antibodies	199 003
Remarks	This control protein consists of the recombinant protein (aa 3 - 86 of mouse GS 15) 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 peptide 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

GS 15 also referred to as **GOS 15** and **Bet 1L** is a member of the SNARE family of proteins and is related to Bet 1. It has been shown to form a complex with syntaxin 5, GOSR 1/GS 28 and Ykt 6. It is involved in early/recycling endosome (EE/RE) to the trans-Golgi network (TGN) trafficking.

Selected General References

Participation of the syntaxin 5/Ykt6/GS28/GS15 SNARE complex in transport from the early/recycling endosome to the trans-Golgi network.
Tai G, Lu L, Wang TL, Tang BL, Goud B, Johannes L, Hong W
Molecular biology of the cell (2004) 15(9): 4011-22.

Countercurrent distribution of two distinct SNARE complexes mediating transport within the Golgi stack.
Volchuk A, Ravazzola M, Perrelet A, Eng WS, Di Liberto M, Varlamov O, Fukasawa M, Engel T, Söllner TH, Rothman JE, Orci L, et al.
Molecular biology of the cell (2004) 15(4): 1506-18.

GS15 forms a SNARE complex with syntaxin 5, GS28, and Ykt6 and is implicated in traffic in the early cisternae of the Golgi apparatus.
Xu Y, Martin S, James DE, Hong W
Molecular biology of the cell (2002) 13(10): 3493-507.

GS15, a 15-kilodalton Golgi soluble N-ethylmaleimide-sensitive factor attachment protein receptor (SNARE) homologous to rbet1.
Xu Y, Wong SH, Zhang T, Subramaniam VN, Hong W
The Journal of biological chemistry (1997) 272(32): 20162-6.