

MATERIAL DATA SHEET**His₆-GABARAP/Apg8p1 Biotin, *human recombinant*
Cat. # UL-412**

Apg8p1 modified with biotin via primary amine coupling resulting in modification of lysine residues as well as the N-terminus. Biotinylated Apg8p1 can be detected using avidin-linked reagents for higher efficiency and detection sensitivity than with antibodies. This protein is N-terminally His₆-tagged.

Product Information

Quantity:	50 µg
Stock:	X mg/ml (XµM) in 50mM Hepes pH 7.5, 100mM NaCl. Actual concentration varies with lot number.
MW:	16.3 kDa
Purity:	> 95% by PAGE

Use & Storage

Use:	Depending on experimental conditions and detection method, suggested <i>in vitro</i> concentrations for thiolester formation is 1 to 5 µM.
Storage:	Store at -80°C. Avoid multiple freeze/thaw cycles.

Literature

References:	Bavro V.N., <i>et al.</i> (2002) <u>EMBO. Rep.</u> 3 : 183-189 Kouno T., <i>et al.</i> (2002) <u>J. Biomol. NMR.</u> 22 : 97-98 Knight D., <i>et al.</i> (2002) <u>J.Biol.Chem.</u> 277 : 5556-5561 Nymann-Anderson J., <i>et al.</i> (2002) <u>Neuropharm.</u> 43 : 476-481 Tanida I., <i>et al.</i> (2003) <u>Biochem. Biophys. Res. Comm.</u> 300 : 637-644 Stangler T., <i>et al.</i> (2002) <u>J.Biol.Chem.</u> 277 : 15563-13366 Wang H., <i>et al.</i> (1999) <u>Nature.</u> 397 : 69-72 Xin Y., <i>et al.</i> (2001) <u>Genomics.</u> 74 : 408-413
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