

MATERIAL DATA SHEET**His₆-GATE-16/Apg8p2 Rhodamine, *human recombinant*
Cat. # UL-426**

His₆-Apg8p2 modified with rhodamine red via primary amine coupling. This results in rhodamine coupled Apg8p2 species with modified lysines as well as the N-terminus. Detection of rhodamine-Apg8p2 occurs with higher efficiency and sensitivity than with antibodies. This protein contains an N-terminal His₆ tag.

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:	15.7 kDa
Purity:	> 95% by PAGE

Use & Storage

Use:	Rhodamine Apg8p2 gives a strong signal in the range of 0.1-1 µM, depending on exact experimental conditions. Optimal fluorescence at pH 8.0 is monitored using Ex ₅₇₀ nm and Em ₅₉₀ nm wavelengths respectively.
Storage:	Store at -80°C. Avoid multiple freeze/ thaw cycles.

Literature

References:	Becher P., <i>et al.</i> (2002) <u>J. Virol.</u> 76 : 13069-13076 Elazar Z., <i>et al.</i> (2001) <u>Genomics</u> 74 : 408-413 Paz Y., <i>et al.</i> (2000) <u>J. Biol. Chem.</u> 275 : 25445-2545- Sagiv Y., <i>et al.</i> (2000) <u>EMBO J.</u> 19 : 1494-1504 Scherz-Shouval R., <i>et al.</i> (2003) <u>J. Biol. Chem.</u> 278 : 14053-14058 Tanida I., <i>et al.</i> (2002) <u>J. Biol. Chem.</u> 277 : 13739-13744 Xin Y., <i>et al.</i> (2001) <u>Genomics</u> 74 : 408-413
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