Lot # XXXXX

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MATERIAL DATA SHEET

Agp8p3(MAPLC3) AMC, *human recombinant*
Cat. # UL-450

Fluorogenic substrate for Apg8-specific C-terminal hydrolases such as Apg4b (Cat# E-400) based on the C-terminal derivatization of Apg8 with 7-amido-4-methylcoumarin (AMC). Apg8-AMC is useful for studying such enzyme activities when detection sensitivity or continuous monitoring of activity is essential. NOTE: this protein has an N-terminal HA tag.

Product Information	
Quantity:	25 µg
Stock:	X mg/ml (X µM) in 50 mM Hepes pH 6.5, 100 mM NaCl, 10 % glycerol. Concentration varies with Lot #.
MW:	14.3 kDa
Purity:	> 90%

Use & Storage	
Use:	Substrate concentrations for assay range from 0.1-1 µM depending on conditions. Release of AMC fluorescence can be monitored using Ex_{380} nm and Em_{460} nm wavelengths respectively.
Storage:	Store at -80°C. Avoid multiple freeze/thaw cycles.

Literature

References:

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Kumanomidou T., *et al.* (2006) J. Mol. Biol. **355** :612-618
Love K.R, *et al.* (2007) Nat. Chem. Biol. **3**:697-705
Wilkinson K.D. *et al.* (2005) Meth. Enz. **399**:37-51

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