

**MATERIAL DATA SHEET****Apg8p3 (MAP-LC3a)-agarose, human recombinant**  
**Cat. # UL-435**

MAP-LC3a covalently coupled to agarose beads via primary amines allowing for a fully functional C-terminus. Useful for isolation and capture of MAP-LC3a interacting proteins and/or enzymes that have an affinity for this ubiquitin-like protein. These include the Apg8 E1 activating enzyme Apg7, the Apg8 conjugating enzyme Apg3, Apg8 processing enzyme Apg4 and other autophagy pathway proteins and enzymes.

**Product Information**

<b>Quantity:</b>	0.5 ml
<b>Stock:</b>	MAPLC3a coupled to agarose at 3.5mg/ml resin (0.25 mM). Resin supplied in 50 mM Hepes pH 7.5, 250 mM NaCl.

**Use & Storage**

<b>Use:</b>	Equilibrate resin by washing with 5-10 ml desired start buffer. Binding and elution of material is dependent on individual experimental conditions.
<b>Storage:</b>	The agarose can be re-used for at least 5-10 applications if properly maintained. After use, clean resin with 5ml 50 mM Tris pH 9.0, 1 M KCl. Remove cleaning solution by washing resin with 5 ml storage buffer. Resin should be stored at 4°C and 0.01% sodium azide can be added as a bacteriostatic agent. DO NOT FREEZE.

**Literature**

<b>References:</b>	Hammerback J.A., <i>et al.</i> (1991) <i>Neuron</i> <b>7</b> : 521-524 He H., <i>et al.</i> (2003) <i>J.Biol.Chem.</i> <b>278</b> : 29278-29287 Langkopf A., <i>et al.</i> (1992) <i>J.Biol.Chem.</i> <b>267</b> : 16561-16566 Kabeya Y., <i>et al.</i> (2000) <i>EMBO J.</i> <b>19</b> : 5720-5728 Kabeya Y., <i>et al.</i> (2004) <i>J. Cell. Sci.</i> <b>117</b> : 2805-2812 Klionsky D.J. (2005) <i>J. Cell. Sci.</i> <b>118</b> : 7-18 Mann S.S., <i>et al.</i> (1996) <i>J. Neurosci.</i> <b>43</b> : 535-544 Mann S.S. and Hammerback J.A.. (1994) <i>J. Biol. Chem.</i> <b>269</b> : 11492-11497 Sugawara K., <i>et al.</i> (2004) <i>Genes. Cells.</i> <b>9</b> : 611-618
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