

**MATERIAL DATA SHEET****Apg8p1 (GABARAP)-agarose, human recombinant**  
**Cat. # UL-415**

GABARAP covalently coupled to agarose beads via primary amines allowing for a fully functional C-terminus. Useful for isolation and capture of GABARAP 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>	GABARAP 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>	Bavro V.N. <i>et al.</i> (2002) <u>EMBO. Rep.</u> <b>3</b> : 183-189 Klionsky D.J. (2005) <u>J. Cell. Sci.</u> <b>118</b> : 7-18 Kouno T. <i>et al.</i> (2002) <u>J. Biomol. NMR.</u> <b>22</b> : 97-98 Knight D. <i>et al.</i> (2002) <u>J.Biol.Chem.</u> <b>277</b> : 5556-5561 Nymann-Anderson J. <i>et al.</i> (2002) <u>Neuropharm.</u> <b>43</b> : 476-481 Tanida I. <i>et al.</i> (2003) <u>Biochem. Biophys. Res. Comm.</u> <b>300</b> : 637-644 Stangler T. <i>et al.</i> (2002) <u>J.Biol.Chem.</u> <b>277</b> : 15563-13366 Wang H. <i>et al.</i> (1999) <u>Nature.</u> <b>397</b> : 69-72 Xin Y. <i>et al.</i> (2001) <u>Genomics.</u> <b>74</b> : 408-413
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