

**MATERIAL DATA SHEET****Apg8p2 (GATE-16)-agarose, human recombinant**  
**Cat. # UL-425**

GATE-16 covalently coupled to agarose beads via primary amines allowing for a fully functional C-terminus. Useful for isolation and capture of GATE-16 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>	GATE-16 coupled to agarose at 3.5 mg/ml resin (0.25 mM). Resin supplied in 50 mM Hepes pH 8.0, 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 by washing with 5 ml 50 mM Hepes pH 8.0, 1 M NaCl. Remove cleaning solution by washing resin with 10 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>	Becher P. <i>et al.</i> (2002) <u>J. Virol.</u> <b>76</b> : 13069-13076 Elazar Z. <i>et al.</i> (2001) <u>Genomics</u> <b>74</b> : 408-413 Klionsky D.J. (2005) <u>J. Cell. Sci.</u> <b>118</b> : 7-18 Paz Y. <i>et al.</i> (2000) <u>J. Biol. Chem.</u> <b>275</b> : 25445-2545 Sagiv Y. <i>et al.</i> (2000) <u>EMBO J.</u> <b>19</b> : 1494-1504 Scherz-Shouval R. <i>et al.</i> (2003) <u>J. Biol. Chem.</u> <b>278</b> : 14053-14058 Tanida I. <i>et al.</i> (2002) <u>J. Biol. Chem.</u> <b>277</b> : 13739-13744 Xin Y. <i>et al.</i> (2001) <u>Genomics</u> <b>74</b> : 408-413
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