

MATERIAL DATA SHEET**GST- Ubiquitin, *human recombinant*****Cat. # U-540**

Fully functional ubiquitin with an N-terminal GST-tag (glutathione S-transferase). GST-Ub allows for glutathione affinity purification of ubiquitinated molecules and allows for immunodetection of conjugates using GST antibodies. Facilitates the facile visualization of poly-Ub chains due to larger ladder intervals.

Product Information

Quantity:	1 mg
Stock:	[GST-Ub] = X mg/ml (X μ M) in 50 mM HEPES pH 8.0, 100 mM NaCl. Actual concentration will vary with specific Lot #.
MW:	35 kDa
Purity:	> 95% by SDS-PAGE

Use & Storage

Use:	Typical <i>in vitro</i> concentrations for non rate-limiting conjugate formation is 20-100 μ M depending on conditions. Supplementation with ubiquitin may be necessary for best results in forming high molecular weight conjugates.
Storage:	Store at -80°C. Avoid multiple freeze/thaw cycles.

Literature

References:	McTigue M.A., et al. (1995) <i>J.Mol.Biol.</i> 246 :21-27 Scheffner M., et al. (1993) <i>Cell.</i> 75 :495-505
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