

MATERIAL DATA SHEET**GST-UbcH8/UBE2L6, human recombinant**
Cat. # E2-643

UbcH8 can be charged with both ubiquitin and ISG15 via the activities of the respective E1^{Ub} and E1^{ISG15} enzymes. UbcH8 is highly homologous to UbcH7, and functions in ubiquitin conjugation reactions and in HECT E3 (such as E6AP) and RING-FINGER (such as Parkin) protein mediated events. UbcH8 is the major E2 for ISG15 conjugation in reactions initiated by the ISG15-specific E1 activating enzyme. ISG15 is an ubiquitin-like protein that is conjugated to cellular proteins after IFN- α/β stimulation.

Product Information

Quantity:	X μ g
Stock:	X mg/ml (X μ M) in 50 mM HEPES pH 8.0, 100 mM NaCl, 10% glycerol. Actual concentration will vary with specific Lot #
MW:	44 kDa
Purity:	> 95 % by SDS-PAGE

Use & Storage

Use:	Typical enzyme concentration to support conjugation <i>in vitro</i> is 100 nM-1 μ M depending on conditions.
Storage:	Store at -80°C. Avoid multiple freeze/thaw cycles.

Literature

References:	Ardley H.C., <i>et al.</i> (2000) <u>Cytogenet. Cell. Genet.</u> 89 :137-140 Kumar S., <i>et al.</i> (1997) <u>J. Biol. Chem.</u> 272 :13548-13554 Nyman T.A., <i>et al.</i> (2000) <u>Eur. J. Biochem.</u> 267 :4011-4019 Zhao C., <i>et al.</i> (2004) <u>Proc. Natl. Acad. Sci.</u> 101 :7578-7582 Zhang Y., <i>et al.</i> (2000) <u>Proc. Natl. Acad. Sci.</u> 97 :13354-13359
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