Lot # XXXXX

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MATERIAL DATA SHEET

UbcH8/UBE2L6, *human recombinant*
Cat. # E2-644

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 µg
Stock:	X mg/ml (XµM) in 50 mM HEPES pH 8.0, 100 mM NaCl,10% glycerol. Actual concentration will vary with specific Lot #.
MW:	18 kDa
Purity:	> 95 % by SDS-PAGE

Use & Storage

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

Literature

References:

Ardley H.C., *et al.* (2000) Cytogenet. Cell. Genet. **89**:137-140
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Nyman T.A., *et al.* (2000) Eur. J. Biochem. **267**:4011-4019
Zhao C., *et al.* (2004) Proc. Natl. Acad. Sci. **101**:7578-7582
Zhang Y., *et al.* (2000) Proc. Natl. Acad. Sci. **97**:13354-13359

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