

MATERIAL DATA SHEET**ISG15 Vinyl Sulfone, *human recombinant***
Cat. # UL-603

A potent and highly specific inhibitor of ISG15-specific isopeptidases (such as UBP43). This protein blocks the hydrolysis of poly-ISG15 chains on substrate proteins *in vitro* and thus enhances poly-ISG15 chain accumulation.

Product Information

Quantity:	50 µg
Stock:	X mg/ml (XµM) in 50 mM Hepes pH 6.5, 200 mM NaCl, 10 % glycerol. Actual concentration will vary with specific Lot #.
MW:	17 kDa
Purity:	> 95% by HPLC

Use & Storage

Use:	Add directly to <i>in vitro</i> assay from the stock solution. Depending on conditions, typical concentrations to fully inhibit ISG15 deconjugating enzymes <i>in vitro</i> are 1-5 µM.
Storage:	Store at -80°C. Avoid multiple freeze/thaw cycles.

Literature

References:	Borodovsky A, <i>et al.</i> (2002) <u>Chem. Biol.</u> 9 :1149-1159 Galaray P., <i>et al.</i> (2005) <u>Meth. Enz.</u> 399 :120-131 Hemelaar J., <i>et al.</i> (2004) <u>Mol. Cell. Biol.</u> 24 :84-95 Linder H.A., <i>et al.</i> (2005) <u>J. Virol.</u> 79 :15199-151208 Malakhov M.P., <i>et al.</i> (2002) <u>J. Biol. Chem.</u> 277 :9976-9981 Wilkinson K.D. <i>et al.</i> (2005) <u>Meth. Enz.</u> 399 :37-51
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