

Active Recombinant Human USP27X, DAC-tagged

Cat. No. USP27X-155H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human USP27X (amino acid residues 1-438), fused with N-terminal DAC, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-438 a.a.
Description	Deconjugating enzymes (DCEs) are proteases that process ubiquitin or ubiquitin-like gene products, reverse the modification of proteins by a single ubiquitin or ubiquitin-like protein (UBL) and remodel polyubiquitin (or poly-UBL) chains on target proteins (Reyes-Turcu et al., 2009). The deubiquitylating – or deubiquitinating – enzymes (DUBs) represent the largest family of DCEs and regulate ubiquitin dependent signalling pathways.
Form	50 mM HEPES pH 7.5, 150 mM sodium chloride, 2 mM dithiothreitol, 10% glycerol
Bio-activity	Deubiquitylase Enzyme Assay: The activity of DAC-USP27X was validated by the monitoring of mono-ubiquitin generation as a result of the enzyme catalysed cleavage of K63-linked di-ubiquitin. Incubation of the substrate in the presence or absence of DAC-USP27X was compared confirming the deubiquitylating activity of DAC-USP27X.
Molecular Mass	~79.3kDa

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Purity	>67% by SDS-PAGE
Storage	12 months at -70°C. Avoid multiple freeze/thaw cycles.
Concentration	0.5 mg/ml

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