

Active Recombinant Human USP8, FLAG-tagged

Cat. No. USP8-86H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human USP8, amino-acids 2-1118(end) with an N-terminal FLAG-tag, MW=128 kDa, expressed in a baculovirus-infected Sf9 cell expression system.
Species	Human
Source	Sf9 Cells
ProteinLength	2-1118 a.a.
Description	Ubiquitin carboxyl-terminal hydrolase 8 is an enzyme that in humans is encoded by the USP8 gene.
Form	45 mM Tris-HCl, pH8.0, 124 mM NaCl, 2.4 mM KCl, 90 µg/ml Flag peptide, 10% glycerol, and 3 mM DTT.
Bio-activity	246 pmol/min/µg Assay conditions: Reaction was performed in 50 mM Tris, pH 7.4, 1 mM DTT, 0.5 mM EDTA, 500 nM Ub-AMC, and USP8 in a 50 µL reaction. Reaction was incubated at 37°C for 15 min and fluorescent signal was measured at excitation= 340 nm, emission = 460 nm.
Molecular Mass	128 kDa
Purity	>70%
Applications	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

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Stability >6 months at –80°C

GENE INFORMATION

Gene Name USP8 ubiquitin specific peptidase 8 [Homo sapiens]

Official Symbol USP8

Synonyms USP8; ubiquitin specific peptidase 8; ubiquitin specific protease 8; ubiquitin carboxyl-terminal hydrolase 8; HumORF8; KIAA0055; UBPY; Deubiquitinating enzyme 8; FLJ34456; hUBPY; HumORF8; KIAA0055; MGC129718; Ubiquitin carboxyl terminal hydrolase 8; Ubiquitin carboxyl-terminal hydrolase 8; Ubiquitin isopeptidase Y; ubiquitin specific peptidase 8; Ubiquitin specific processing protease 8; Ubiquitin thioesterase 8; Ubiquitin thiolesterase 8; Ubiquitin-specific-processing protease 8; UBP8_HUMAN; UBPY; USP8; hUBPy; ubiquitin isopeptidase Y; ubiquitin thioesterase 8; deubiquitinating enzyme 8; ubiquitin thiolesterase 8; ubiquitin-specific-processing protease 8

Gene ID 9101

mRNA Refseq NM_001128610

Protein Refseq NP_001122082

MIM 603158

UniProt ID P40818

Chromosome Location 15q21.1

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Pathway	Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem; ErbB2/ErbB3 signaling events, organism-specific biosystem; Internalization of ErbB1, organism-specific biosystem
Function	SH3 domain binding; cysteine-type endopeptidase activity; peptidase activity; protein binding; ubiquitin thiolesterase activity

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