Active Recombinant Human USP8

Cat. No. USP8-127H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human USP8 was expressed in E.coli
Species	Human
Source	E.coli
Description	Ubiquitin carboxyl-terminal hydrolase 8 is an enzyme that in humans is encoded by the USP8 gene.
Form	50 mM HEPES pH 7.5, 150 mM sodium chloride, 2 mM dithiothreitol, 10% glycerol
Bio-activity	Deubiquitylase Enzyme Assay: The activity of USP8 was validated by determining the increase in fluorescence measured as a result of the enzyme catalysed cleavage of the fluorogenic substrate Ubiquitin-Rhodamine110-Glycine generating Ubiquitin and Rhodamine110-Glycine. Incubation of the substrate in the presence or absence of USP8 was compared confirming the deubiquitylating activity of USP8.
Molecular Mass	~128kDa
Purity	>66% by InstantBlue™ SDS-PAGE
Storage	12 months at -70℃; aliquot as required.
Concentration	0.5 mg/ml

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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; hUBPy; ubiquitin isopeptidase Y; ubiquitin thioesterase 8; deubiquitinating enzyme 8; ubiquitin thiolesterase 8; ubiquitin-specific-processing protease 8; FLJ34456; MGC129718;
Gene ID	9101
mRNA Refseq	NM_001128610
Protein Refseq	NP_001122082
MIM	603158
UniProt ID	P40818
Chromosome Location	15q21.1
Pathway	Downregulation of ERRB2:ERBB3 signaling, organism-specific biosystem; Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem; ErbB2/ErbB3 signaling events, organism-specific biosystem; Internalization of ErbB1, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by ERBB2, organism-specific biosystem;
Function	SH3 domain binding; cysteine-type endopeptidase activity; peptidase activity; protein

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	binding; ubiquitin thiolesterase activity; ubiquitin-specific protease activity;

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