Recombinant Human USP51 Protein (R363-Q706), Tag Free

Cat. No. USP51-1221H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human USP51(R363-Q706) Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	R363-Q706
Description	Specifically deubiquitinates 'Lys-14' (H2AK13Ub) and 'Lys-16'(H2AK15Ub) of histone H2A regulating the DNA damage response at double-strand breaks (DSBs). USP51 is recruited to chromatin after DNA damage and regulates the dynamic assembly/disassembly of TP53BP1 and BRCA1. Exhibits also activity for 'Lys-27' or 'Lys-63'-linked di-ubiquitin.
Form	Liquid
Endotoxin	< 0.01 EU per μg of the protein
Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	USP51 ubiquitin specific peptidase 51 [Homo sapiens (human)]
Official Symbol	USP51
Synonyms	USP51; ubiquitin specific peptidase 51; ubiquitin carboxyl-terminal hydrolase 51; deubiquitinating enzyme 51; ubiquitin thioesterase 51; ubiquitin thiolesterase 51; ubiquitin-specific-processing protease 51; EC 3.4.19.12
Gene ID	158880
mRNA Refseq	NM_201286
Protein Refseq	NP_958443
UniProt ID	Q70EK9

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