

Recombinant Human USP44 Protein (M1-S712), GST tagged

Cat. No. USP44-0353H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GST-TEV-USP44(M1-S712 end) Protein was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	M1-S712
Description	Deubiquitinase that plays a key regulatory role in the spindle assembly checkpoint or mitotic checkpoint by preventing premature anaphase onset. Acts by specifically mediating deubiquitination of CDC20, a negative regulator of the anaphase promoting complex/cyclosome (APC/C). Deubiquitination of CDC20 leads to stabilize the MAD2L1-CDC20-APC/C ternary complex (also named mitotic checkpoint complex), thereby preventing premature activation of the APC/C. Promotes association of MAD2L1 with CDC20 and reinforces the spindle assembly checkpoint. Acts as a negative regulator of histone H2B (H2BK120ub1) ubiquitination.
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

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	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.
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	USP44 ubiquitin specific peptidase 44 [Homo sapiens (human)]
Official Symbol	USP44
Gene ID	84101
mRNA Refseq	NM_032147
Protein Refseq	NP_115523
MIM	610993
UniProt ID	Q9H0E7

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