Recombinant Human USP30 Protein (T57-E517), His tagged

Cat. No. USP30-0372H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human 8His-TEV-GG-USP30(T57-E517 end) Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	T57-E517
Description	Deubiquitinating enzyme tethered to the mitochondrial outer membrane that acts as a key inhibitor of mitophagy by counteracting the action of parkin (PRKN): hydrolyzes ubiquitin attached by parkin on target proteins, such as RHOT1/MIRO1 and TOMM20, thereby blocking parkin's ability to drive mitophagy. Preferentially cleaves 'Lys-6'- and 'Lys-11'-linked polyubiquitin chains, 2 types of linkage that participate in mitophagic signaling. Does not cleave efficiently polyubiquitin phosphorylated at 'Ser-65'. Acts as negative regulator of mitochondrial fusion by mediating deubiquitination of MFN1 and MFN2.
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

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

	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	USP30 ubiquitin specific peptidase 30 [Homo sapiens (human)]
Official Symbol	USP30
Synonyms	USP30; ubiquitin specific peptidase 30; ubiquitin specific protease 30; ubiquitin carboxyl-terminal hydrolase 30; FLJ40511; MGC10702; ub-specific protease 30; ubiquitin thioesterase 30; deubiquitinating enzyme 30; ubiquitin thiolesterase 30; ubiquitin-specific protease 30; ubiquitin-specific-processing protease 30;
Gene ID	84749
mRNA Refseq	NM_032663
Protein Refseq	NP_116052
MIM	612492
UniProt ID	Q70CQ3

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