Recombinant Human USP19 Protein (E904-R1318), Tag Free

Cat. No. USP19-0386H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GG-USP19(E904-R1318 end) Protein was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	E904-R1318
Description	Deubiquitinating enzyme that regulates the degradation of various proteins. Deubiquitinates and prevents proteasomal degradation of RNF123 which in turn stimulates CDKN1B ubiquitin-dependent degradation thereby playing a role in cell proliferation. Involved in decreased protein synthesis in atrophying skeletal muscle. Modulates transcription of major myofibrillar proteins. Also involved in turnover of endoplasmic-reticulum-associated degradation (ERAD) substrates. Regulates the stability of BIRC2/c-IAP1 and BIRC3/c-IAP2 by preventing their ubiquitination. Required for cells to mount an appropriate response to hypoxia and rescues HIF1A from degradation in a non-catalytic manner. Plays an important role in 17 beta-estradiol (E2)-inhibited myogenesis. Decreases the levels of ubiquitinated proteins during skeletal muscle formation and acts to repress myogenesis. Exhibits a preference towards 'Lys-63'-linked ubiquitin chains.
Form	Liquid
Endotoxin	< 0.01 EU per μg of the protein
Purity	90%

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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.
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	USP19 ubiquitin specific peptidase 19 [Homo sapiens (human)]
Official Symbol	USP19
Synonyms	USP19; ubiquitin specific peptidase 19; ubiquitin specific protease 19; ubiquitin carboxyl-terminal hydrolase 19; KIAA0891; ZMYND9; ubiquitin thioesterase 19; deubiquitinating enzyme 19; ubiquitin thiolesterase 19; ubiquitin-specific-processing protease 19; zinc finger MYND domain-containing protein 9;
Gene ID	10869
mRNA Refseq	NM_001199160
Protein Refseq	NP_001186089
MIM	614471
UniProt ID	O94966

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