

Recombinant Human USP20 Protein (K120-V914), Tag Free

Cat. No. USP20-0363H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GG-USP20(K120-V914 end) Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	K120-V914
Description	Deubiquitinating enzyme involved in beta-2 adrenergic receptor (ADRB2) recycling. Acts as a regulator of G-protein coupled receptor (GPCR) signaling by mediating the deubiquitination beta-2 adrenergic receptor (ADRB2). Plays a central role in ADRB2 recycling and resensitization after prolonged agonist stimulation by constitutively binding ADRB2, mediating deubiquitination of ADRB2 and inhibiting lysosomal trafficking of ADRB2. Upon dissociation, it is probably transferred to the translocated beta-arrestins, possibly leading to beta-arrestins deubiquitination and disengagement from ADRB2. This suggests the existence of a dynamic exchange between the ADRB2 and beta-arrestins. Deubiquitinates DIO2, thereby regulating thyroid hormone regulation. Deubiquitinates HIF1A, leading to stabilize HIF1A and enhance HIF1A-mediated activity. Mediates deubiquitination of both 'Lys-48'- and 'Lys-63'-linked polyubiquitin chains.
Form	Liquid
Endotoxin	< 0.01 EU per

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	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.
Storage Buffer	Supplied as sterile 50 mM Tris-HCl PH 7.5, 500 mM NaCl, 2 mM DTT, 5% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	USP20 ubiquitin specific peptidase 20 [Homo sapiens (human)]
Official Symbol	USP20
Synonyms	USP20; ubiquitin specific peptidase 20; ubiquitin specific protease 20; ubiquitin carboxyl-terminal hydrolase 20; KIAA1003; hVDU2; ubiquitin thioesterase 20; deubiquitinating enzyme 20; ubiquitin thiolesterase 20; VHL-interacting deubiquitinating enzyme 2; ubiquitin-specific-processing protease 20; pVHL-interacting deubiquitinating enzyme 2; VDU2; LSFR3A;
Gene ID	10868
mRNA Refseq	NM_001008563
Protein Refseq	NP_001008563

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UniProt ID

Q9Y2K6

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