

Recombinant Full Length Human USP21 Protein, C-Flag-tagged

Cat. No. USP21-1274HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human USP21 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a member of the C19 peptidase family, also known as family 2 of ubiquitin carboxy-terminal hydrolases. The encoded protein cleaves ubiquitin from ubiquitinated proteins for recycling in intracellular protein degradation. The encoded protein is also able to release NEDD8, a ubiquitin-like protein, from NEDD8-conjugated proteins. This gene has been referred to as USP16 and USP23 but is now known as USP21. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	62.5 kDa
AA Sequence	MPQASEHRLGRTREPPVNIQPRVGSKLPFAPRARSKERRNPGSGPNPMLRPLPPR PGLPDERLKKLELGR GRTSGPRPRGPLRADHGVPLPGSPPTVALPLPSRTNLARS KSVSSGDLRPMGIALGGHRGTGELGAALS RLALRPEPPTLRRSTSLRRLLGGFPGPP TLFSIRTEPPASHGSFHMISARSSEPFYSDDKMAHHTLLLGS G HVGLRNLGNTCFLN AVLQCLSSTRPLRDFCLRRDFRQEVPGGGRAQELTEAFADVIGALWHPDSCEAVNP

 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

TRFRAVFQKYVPSFSGYSQQDAQEFLKLLMERLHLEINRRGRRAPPILANGPVPSP
 RRGGALLEEPELS DDDRANLMWKRYLEREDSKIVDLFVGQLKSLKCQACGYRST
 TFEVFCDSLPIPKKGFAGGKVSLRDCF NLFTKEEELESENAPVCDRCRQKTRSTKK
 LTVQRFPRILVLHLNRFASRGSIKKSSVGVDPLQRLSLG DFASDKAGSPVYQLYA
 LCNHSGSVHYGHYALCRCQTGWHVYNSRVSPVSENQVASSEGYVLFYQLMQE
 PPRCLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Protease
Full Length	Full L.

GENE INFORMATION

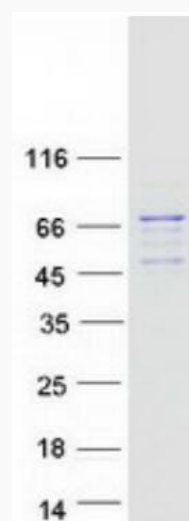
Gene Name	USP21 ubiquitin specific peptidase 21 [Homo sapiens (human)]
Official Symbol	USP21
Synonyms	USP16; USP23

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Gene ID	27005
mRNA Refseq	NM_012475.5
Protein Refseq	NP_036607.3
MIM	604729
UniProt ID	Q9UK80



Coomassie blue staining of purified USP21 protein.