

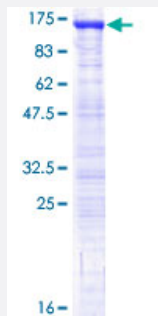
Full-Length

USP16 (Human) Recombinant Protein (P01)

Catalog # H00010600-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human USP16 full-length ORF (AAH30777.1, 1 a.a. - 822 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGKKRTKGKTVPIDDSSETLEPVCRHIRKGLEQGNLKKALVNVEWNICQDCKTDNKVKDKAEEE
TEEKPSVWLCLKCGHQGGRNSQEQLHALKHYLTPRSEPHCLVLSLDNWSVWCYVCDNEVQYC
SSNQLGQVVDYVRKHASITPKPEKDNGNIELENKKLEKESKNEQEREKKENMAKENPPMNSPC
QITVKGLSNLGNTCFFNAVMQNLSQTPVLRELLKEVKMSGTIVKIEPPDLALTEPLEINLEPPGPLTL
AMSQFLNEMQETKKGVVTPKELFSQVCKKAVRFKGYQQQDSQELLRYLLDGMRAEEHQRVSKG
ILKAFGNSTEKLDEELKNKVVDYEEKKSMPSFVDRIFGGELTSMIMCDQCRTVSLVHESFLDLSP
VLDDQSGKKS VNDKNLKTVEDEDQDSEEEKDND SYIKERSDIPSGTSKHLQKKAKKQAKKQAK
NQRRQKIQGKVLHLNDICTIDHPEDSDNEAEMSLQGEVNIKS NHISQEGVMHKEYCVNQKDLNG
QAKMIESVTDNQKSTEEVDMKNINMDNDLEVL TSSPTRNLNGAYL TEGSNGEVDISNGFKNLNLN
AALHPDEINIEILNDSHTPGTKVYEVVNEDPETAFCTLANREV FNTDECSIQHCLYQFTRNEKL RDA
NKLLCEVCTRRQCNGPKANIKGERKHVYTNAKKQMLISLAPPVLT LHLKRFQQAGFNLRKV NKH I K
FPEILD LAPFCTLKCKNVAEENTRVLYSLYGVVEHSGTMRSGHYTAYAKARTANSHLSNLVLHGDI
PQDFEMESKGQWFHISDTHVQAVPTTKVLNSQAYLLFYERIL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

119.8

Interspecies Antigen Sequence

Mouse (82); Rat (83)

Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — USP16

Entrez GeneID	10600
GeneBank Accession#	BC030777.2
Protein Accession#	AAH30777.1
Gene Name	USP16
Gene Alias	UBP-M
Gene Description	ubiquitin specific peptidase 16
Omim ID	604735
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a deubiquitinating enzyme that is phosphorylated at the onset of mitosis and then dephosphorylated at the metaphase/anaphase transition. It can deubiquitinate H2A, one of two major ubiquitinated proteins of chromatin, in vitro and a mutant form of the protein was shown to block cell division. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq]

Other Designations

OTTHUMP00000096468|deubiquitinating enzyme 16|ubiquitin carboxyl-terminal hydrolase 16|ubiquitin specific protease 16|ubiquitin thiolesterase 16|ubiquitin-specific processing protease 16

Publication Reference

- [The aurora B kinase and the polycomb protein ring1B combine to regulate active promoters in quiescent lymphocytes.](#)

Alberto Frangini, Marcela Sjöberg, Monica Roman-Trufero, Gopuraja Dharmalingam, Vanja Haberle, Till Bartke, Boris Lenhard, Marcos Malumbres, Miguel Vidal, Niall Dillon.

Molecular Cell 2013 Sep; 51(5):647.

Application: PA, substrate, ubiquitination assay, N/A, Recombinant proteins

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