

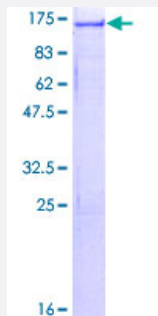
Full-Length

USP4 (Human) Recombinant Protein (P01)

Catalog # H00007375-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human USP4 full-length ORF (NP_003354.2, 1 a.a. - 963 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAEGGGCRERPDAETQKSELGPLMRTTLQRGAQWYLIDSRWFKQWKYVGFDSWDMYNVGEH
 NLFPGPIDNSGLFSDPESQTLKEHLIDELDYVLVPTAEWNKLLNWWYGCVEGQQPVRKVVEHGLF
 VKHCKVEVYLLELKLCEPNDPTNLSCHFSKADTIATIEKEMRKLFPNPAERETRLWNKYMSNTYE
 QLSKLDNTVQDAGLYQGQVLVIEPQNEGTWPRQTLQSKSSTAPSRNFTTSPKSSASPYSSVSA
 SLIANGDSTSTCGMHSSGVSRRGGSGFSASYNCEPPSSHIQPGLCGLGNLNTCFMNSALQCLS
 NTAPLTDYFLKDEYEAENRDNPLGMKGIEAAYAELIKQMWSGRDAHVAPRMFKTQVGRFAPQF
 SGYQQQDSQELLAFLDLGLHEDLNVRVKKKPYLELDANGRPDAVVAKEAWENHRLRNDVIVDT
 FHGLFKSTLVCPECAKVSFTDPFCYLTPLPLKKDRVMEVFLVPADPHCRPTQYRVTVPLMGA
 VSDLCEALSRLSGIAAENMVVADVYNHRFHKIFQMDEGLNHIMPRDDIFVYEVCSSTVDGSECVTL
 PVYFRERKSRPSSTSSASALYGQPLLLSVPKHKLTLSELYQAVCDRISRYVKQPLPDEFGSSPLE
 PGACNGSRNSCEGEDEEEMEHQEEGKEQLSETEGSGEDEPGNDPSETTQKKIKGQPCPKRLFT
 FSLVNSYGTADINSLAADGKLLKLSRSTLAMDWDSERTRLYYDEQESEAIEKHVSMLQPQKKK
 KTTVALRDCIELFTMETLGEHDPWYCPNCKKHQQATKKFDLWSLPKILVVHLKRFSYNRYWRDK
 LDTVVEFPPIRGLNMSEFVCNLSARPYVDLIAVSNHYGAMGVGHYAYAKNKLNGKWWYFDDSNV
 SLASEDQVMTAAVLFYQRRDDEFYKTPSLSSSGSSDGGTRPSSSQQGFGDDEACSMMDTN

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

135

Interspecies Antigen Sequence

Mouse (91); Rat (90)

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 — USP4

Entrez GeneID[7375](#)**GeneBank Accession#**[NM_003363.2](#)**Protein Accession#**[NP_003354.2](#)**Gene Name**

USP4

Gene Alias

MGC149848, MGC149849, UNP, Unph

Gene Description

ubiquitin specific peptidase 4 (proto-oncogene)

Omim ID[603486](#)**Gene Ontology**[Hyperlink](#)

Other Designations

deubiquitinating enzyme 4|ubiquitin carboxyl-terminal esterase 4|ubiquitin carboxyl-terminal hydrolase 4|ubiquitin specific protease 4|ubiquitin specific protease 4 (proto-oncogene)|ubiquitin thiolesterase 4|ubiquitin-specific processing protease 4

Publication Reference

- [USP4 inhibits p53 through deubiquitinating and stabilizing ARF-BP1.](#)

Zhang X, Berger FG, Yang J, Lu X.

EMBO J 2011 Apr; 30:2177.

Application: Incubated, Recombinant protein

Disease

- [Crohn Disease](#)
- [Genetic Predisposition to Disease](#)
- [Schizophrenia](#)