

Product datasheet for TP510327

Bap1 (NM_027088) Mouse Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Mouse Brca1 associated protein 1 (Bap1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| Species: | Mouse |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >MR210327 protein sequence Red =Cloning site Green =Tags(s) |

MNKGWLELESDPGLFLLVEDFGVKGQVEEIIDLQSKCQGPVYGFIFLFWIEERRSRKRVSTLVDDTS
VIDDDIVNNMFFAHLIPNSCATHALLSVLLNCSNVDLGPTLSRMKDFTKGFSPESKGYAIGNAPELAKA
HNSHARPEPRHLPEKQNGLSAVRTMEAFHFVSYVPITGRFELDGLKVYPIDHGPWGEDEEWTDKARRVI
MERIGLATAGEPYHDIRFNLMAVVPDRRIKYETRLHVLKVNRTVLEALQQLIRVTQPELIQTHKSQESQ
LPEESKPASSKSPLGLEAGRTPVASECTQTDGAEVAGSCPQTTTHSPPSKCKLWKPPGSSLNGVPPNP
APIVQRLPAFLDNHNYAKSPMQEEEDLAAGVGRSRVPVRAPQQYSEDEDDYEDDEDVQNTNPAIRYKRK
GTGKPGSLSNSSDGQLSVLQPNTINVLTEKLQESQKDLVPLSIKTSSGAGSPAVAVPHTSQPSPTPSNE
STDTASEIGSAFNSPLRSPIRSANPTRPSSPVTSHISKVLFGEDDSLLRVDCIRYNRAVRDLGVPVISTGL
LHLAEDGVLSPALTEGGKSSPSTRSSQGSQSSGLEEKVEVETESRDKPGLNRSSEPLSGEKYSPKE
LLALLKCVEAEIANYEACLKEEVEKRKKFKIDDQRRTHNYDEFICTFISMLAQEGMLANLVEQNISVRRR
QGVSIGRLHKQRKPD RRKR SRPYKAKRQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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| Tag: | C-MYC/DDK |
| Predicted MW: | 80.5 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C after receiving vials. |



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| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | NP_081364 |
| Locus ID: | 104416 |
| UniProt ID: | Q99PU7 |
| RefSeq Size: | 3406 |
| Cytogenetics: | 14 B |
| RefSeq ORF: | 2187 |
| Synonyms: | 2300006C11Rik; AA989761; AW553466; mKIAA0272; uch-x4 |
| Summary: | <p>Deubiquitinating enzyme that plays a key role in chromatin by mediating deubiquitination of histone H2A and HCFC1. Catalytic component of the PR-DUB complex, a complex that specifically mediates deubiquitination of histone H2A monoubiquitinated at 'Lys-119' (H2AK119ub1). Does not deubiquitinate monoubiquitinated histone H2B. Acts as a regulator of cell growth by mediating deubiquitination of HCFC1 N-terminal and C-terminal chains, with some specificity toward 'Lys-48'-linked polyubiquitin chains compared to 'Lys-63'-linked polyubiquitin chains. Deubiquitination of HCFC1 does not lead to increase stability of HCFC1. Interferes with the BRCA1 and BARD1 heterodimer activity by inhibiting their ability to mediate ubiquitination and autoubiquitination. It however does not mediate deubiquitination of BRCA1 and BARD1. Able to mediate autodeubiquitination via intramolecular interactions to counteract monoubiquitination at the nuclear localization signal (NLS), thereby protecting it from cytoplasmic sequestration. Acts as a tumor suppressor.[UniProtKB/Swiss-Prot Function]</p> |