

Product datasheet for SA6046X

UBC9 / UBE2I Human Protein

Product data:

OriGene Technologies, Inc.

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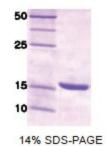
| Product Type: | Recombinant Proteins |
|--|--|
| Description: | UBC9 / UBE2I human protein, 0.5 mg |
| Species: | Human |
| Expression Host: | E. coli |
| Expression cDNA Clone or AA Sequence: | MSGIALSRLA QERKAWRKDH PFGFVAVPTK NPDGTMNLMN WECAIPGKKG TPWEGGLFKL RMLFKDDYPS SPPKCKFEPP LFHPNVYPSG TVCLSILEED KDWRPAITIK QILLGIQELL NEPNIQDPAQ AEAYTIYCQN RVEYEKRVRA QAKKFAPS |
| Predicted MW: | 18 kDa |
| Concentration: | lot specific |
| Purity: | >95% by SDS-PAGE |
| Buffer: | Presentation State: Purified State: Liquid protein Buffer System: 50 mM HEPES (pH 7.5) 150 mM NaCl, 1 mM DTT, 10% glycerol |
| Preparation: | Liquid protein |
| Protein Description: | Human Ubc9 is homologous to ubiquitin-conjugating enzymes(E2s). However, instead of conjugating ubiquitin, it conjugates a ubiquitin homologue, small ubiquitin-like modifier 1 (SUMO-1). And hUbc9 retains striking structural and functional conservation with yeast Ubc9. The ubiquitin-dependent protein degradation system has been recognized as a complete enzymatic pathway that is responsible for the selective degradation of abnormal and short-lived proteins. The conjugation of ubiquitin requires the activities of ubiquitin-activating (E1) and –conjugating (E2) enzymes. |
| Storage: | Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| RefSeq: | <u>NP 003336</u> |
| Locus ID: | 7329 |
| UniProt ID: | <u>P63279</u> , <u>A8K503</u> |
| Cytogenetics: | 16p13.3 |



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| | UBC9 / UBE2I Human Protein – SA6046X |
|----------------|--|
| Synonyms: | C358B7.1; P18; UBC9 |
| Summary: | The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes a member of the E2 ubiquitin- conjugating enzyme family. Four alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008] |
| Protein Pathwa | ys: Ubiquitin mediated proteolysis |

Product images:



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