

Product datasheet for SA6046

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UBC9 / UBE2I Human Protein

Product data:

Product Type: Recombinant Proteins

Description: UBC9 / UBE2I human protein, 0.1 mg

Species: Human **Expression Host:** E. coli

Expression cDNA Clone

MSGIALSRLA QERKAWRKDH PFGFVAVPTK NPDGTMNLMN WECAIPGKKG TPWEGGLFKL

or AA Sequence: 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 shortlived 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.

Shelf life: one year from despatch. Stability:

RefSeq: NP 003336

Locus ID: 7329

UniProt ID: P63279, A8K503

Cytogenetics: 16p13.3





Synonyms: C358B7.1; P18; UBC9

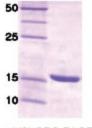
Summary: The modification of proteins with ubiquitin is an important cellular mechanism for targeting

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 Pathways: Ubiquitin mediated proteolysis

Product images:



14% SDS-PAGE