

## Product datasheet for SA6046

### 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 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:	<a href="#">NP_003336</a>
Locus ID:	7329
UniProt ID:	<a href="#">P63279</a> , <a href="#">A8K503</a>
Cytogenetics:	16p13.3



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**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:**

