



SHANGHAI GENOMICS

## Recombinant Human *ubc9*

**rHuUbc9**

Catalog number: SG3131-06

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### *Specifications and Use*

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|-----------------------|--|
| <b>Source</b>         | ● <i>Escherichia coli</i> .                          |
| <b>Molecular Mass</b> | ● 19.5kDa  |
| <b>Purity</b>         | ● ≥ 90% as determined by SDS-PAGE and HPLC analyses. |
| <b>Formulation</b>    | ● 1 × PBS, 1mM DTT and 10% glycerol, pH7.4.          |
| <b>Stability</b>      | ● Store at -80°C. Avoid repeated freeze-thaw cycles. |
| <b>Usage</b>          | ● FOR RESEARCH USE ONLY. NOT FOR HUMAN USE.          |

### **Human UBC9**

Ubc9 is a member of the E2 family and is specific for the conjugation of SUMO to a variety of target proteins. This E2 is unusual in that it interacts directly with protein substrates that are modified by sumoylation, and may play a role in substrate recognition. Ubc9 can mediate the conjugation of SUMO-1 to a variety of proteins including RanGAP1, I $\beta$ B, and PML without the requirement of an E3 ligase.

#### **Protein Sequence:**

MHHHHHHAMGTLNMSGIALSRLAQERKAWRKDHPFGFVAVPTKNPDGTMNLMNWECAIPGKKGT  
PWEGLFKLRMLFKDDYPSSPPKCKFEPPLFHPNVYPSGTVCLSILEEDKDWRPAITIKQILLGIQEL  
LNEPNIQDPAQAEAYTIYCQNRVEYEKRVRAQAKKFAPS