

## Active Recombinant Human SMUG1 protein

**Cat. No.** SMUG1-4893H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human SMUG1 was expressed in E. coli.                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                |
| <b>Form</b>             | 10 mM Bis-Tris-Propane-HCl, 10 mM MgCl <sub>2</sub> , 1 mM DTT, pH 7 @ 25 centigrade.                                                                                                                                 |
| <b>Molecular Mass</b>   | Theoretical: 29861 daltons                                                                                                                                                                                            |
| <b>Unit Definition</b>  | One unit is defined as the amount of enzyme required to excise 1 pmol of deoxyuracil from a 34 mer oligonucleotide duplex containing a single dU site in a total reaction volume of 10 µl in 1 hour at 37 centigrade. |
| <b>Storage</b>          | Store at -20 centigrade                                                                                                                                                                                               |
| <b>Concentration</b>    | 5,000 units/ml                                                                                                                                                                                                        |

### GENE INFORMATION

|                        |                                                                                        |
|------------------------|----------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | SMUG1 single-strand-selective monofunctional uracil-DNA glycosylase 1 [ Homo sapiens ] |
| <b>Official Symbol</b> | SMUG1                                                                                  |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b>       | SMUG1; single-strand-selective monofunctional uracil-DNA glycosylase 1; single-strand selective monofunctional uracil DNA glycosylase; FDG; HMUDG; UNG3; MGC104370; |
| <b>Gene ID</b>        | <a href="#">23583</a>                                                                                                                                               |
| <b>mRNA Refseq</b>    | <a href="#">NM_001243787</a>                                                                                                                                        |
| <b>Protein Refseq</b> | <a href="#">NP_001230716</a>                                                                                                                                        |
| <b>MIM</b>            | <a href="#">607753</a>                                                                                                                                              |
| <b>UniProt ID</b>     | <a href="#">Q53HV7</a>                                                                                                                                              |

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