Recombinant Human SMUG1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SMUG1-1241H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SMUG1 MS Standard C13 and N15-labeled recombinant protein (NP_055126) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a protein that participates in base excision repair by removing uracil from single- and double-stranded DNA. Many alternatively spliced transcript variants exist for this gene; the full-length nature is known for some but not all of the variants.
Molecular Mass	29.7 kDa
AA Sequence	MPQAFLLGSIHEPAGALMEPQPCPGSLAESFLEEELRLNAELSQLQFSEPVGIIYNPV EYAWEPHRNYVTRYCQGPKEVLFLGMNPGPFGMAQTGVPFGEVSMVRDWLGIVG PVLTPPQEHPKRPVLGLECPQSEVSGARFWGFFRNLCGQPEVFFHHCFVHNLCPLL FLAPSGRNLTPAELPAKQREQLLGICDAALCRQVQLLGVRLVVGVGRLAEQRARRA LAGLMPEVQVEGLLHPSPRNPQANKGWEAVAKERLNELGLLPLLLKTRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling

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	conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	SMUG1 single-strand-selective monofunctional uracil-DNA glycosylase 1 [Homo sapiens (human)]
Official Symbol	SMUG1
Synonyms	SMUG1; single-strand-selective monofunctional uracil-DNA glycosylase 1; single-strand selective monofunctional uracil DNA glycosylase; FDG; HMUDG; UNG3; MGC104370;
Gene ID	23583
mRNA Refseq	NM_014311
Protein Refseq	NP_055126
MIM	607753
UniProt ID	Q53HV7

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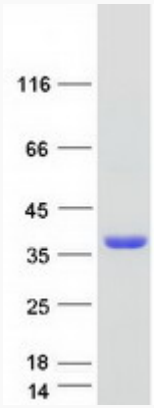
SDS-PAGE	

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