



Human SMUG1 blocking peptide (CDBP2741)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-SMUG1 antibody
Antigen 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. [provided by RefSeq, Aug 2011]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	SMUG1 single-strand-selective monofunctional uracil-DNA glycosylase 1 [Homo sapiens]
Official Symbol	SMUG1
Synonyms	SMUG1; single-strand-selective monofunctional uracil-DNA glycosylase 1; single-strand selective monofunctional uracil DNA glycosylase; FDG; HMUDG; UNG3; MGC104370;
Entrez Gene ID	23583

mRNA Refseq	NM_001243787
Protein Refseq	NP_001230716
UniProt ID	Q53HV7
Chromosome Location	12q13.11-q13.3
Pathway	Base Excision Repair, organism-specific biosystem; Base excision repair, organism-specific biosystem; Base excision repair, conserved biosystem; Base-Excision Repair, AP Site Formation, organism-specific biosystem; Base-free sugar-phosphate removal via the single-nucleotide replacement pathway, organism-specific biosystem; Cleavage of the damaged pyrimidine, organism-specific biosystem; DNA Repair, organism-specific biosystem;
Function	DNA N-glycosylase activity; DNA binding; hydrolase activity, acting on glycosyl bonds; protein binding; single-strand selective uracil DNA N-glycosylase activity; uracil DNA N-glycosylase activity;