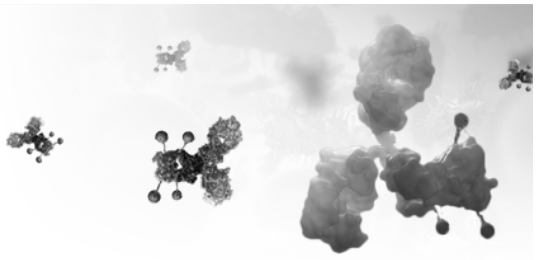

Human SMG6 peptide (DAG-P0005)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a component of the telomerase ribonucleoprotein complex responsible for the replication and maintenance of chromosome ends. The encoded protein also plays a role in the nonsense-mediated mRNA decay (NMD) pathway, providing the endonuclease activity near the premature translation termination codon that is needed to initiate NMD. Alternatively spliced transcript variants encoding distinct protein isoforms have been described. [provided by RefSeq, Feb 2014]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	SMG6 SMG6 nonsense mediated mRNA decay factor [Homo sapiens (human)]
Official Symbol	SMG6
Synonyms	SMG6; SMG6 nonsense mediated mRNA decay factor; EST1A; SMG-6; C17orf31; hSMG5/7a; telomerase-binding protein EST1A; telomerase subunit EST1A; ever shorter telomeres 1A; EST1 telomerase component homolog A; smg-6 homolog, nonsense mediated mRNA decay factor;
Entrez Gene ID	23293

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mRNA Refseq	NM_001256827.1
Protein Refseq	NP_001243756.1
UniProt ID	Q86US8
Chromosome Location	17p13.3
Pathway	Gene Expression, organism-specific biosystem; Nonsense Mediated Decay Enhanced by the Exon Junction Complex, organism-specific biosystem; Nonsense-Mediated Decay, organism-specific biosystem; Regulation of Telomerase, organism-specific biosystem; mRNA surveillance pathway, organism-specific biosystem; mRNA surveillance pathway, conserved biosystem;
Function	endoribonuclease activity; endoribonuclease activity; endoribonuclease activity; metal ion binding; protein binding; telomeric DNA binding;

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