



Human SMG1 peptide (DAG-P1150)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a protein involved in nonsense-mediated mRNA decay (NMD) as part of the mRNA surveillance complex. The protein has kinase activity and is thought to function in NMD by phosphorylating the regulator of nonsense transcripts 1 protein. Alternatively spliced transcript variants have been described, but their full-length nature has yet to be determined. [provided by RefSeq, Mar 2013]
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	SMG1 SMG1 phosphatidylinositol 3-kinase-related kinase [Homo sapiens (human)]
Official Symbol	SMG1
Synonyms	SMG1; SMG1 phosphatidylinositol 3-kinase-related kinase; ATX; LIP; 61E3.4; serine/threonine-protein kinase SMG1; lambda-interacting protein; PI-3-kinase-related kinase SMG-1; lambda/iota protein kinase C-interacting protein; smg-1 homolog, phosphatidylinositol 3-kinase-related kinase;
Entrez Gene ID	23049
mRNA Refseq	NM_015092.4
Protein Refseq	NP_055907.3

UniProt ID	Q96Q15
Chromosome Location	16p12.3
Pathway	Gene Expression, organism-specific biosystem; Nonsense Mediated Decay Enhanced by the Exon Junction Complex, organism-specific biosystem; Nonsense-Mediated Decay, organism-specific biosystem; mRNA surveillance pathway, organism-specific biosystem; mRNA surveillance pathway, conserved biosystem;
Function	ATP binding; metal ion binding; poly(A) RNA binding; protein binding; protein kinase activity; protein serine/threonine kinase activity; protein serine/threonine kinase activity; protein serine/threonine kinase activity;
