



# Human SMG1 peptide (DAG-P1150)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	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]
<b>Conjugate</b>	Unconjugated
<b>Format</b>	Liquid
<b>Preservative</b>	None
<b>Storage</b>	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

<b>Gene Name</b>	<a href="#">SMG1 SMG1 phosphatidylinositol 3-kinase-related kinase [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	SMG1
<b>Synonyms</b>	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;
<b>Entrez Gene ID</b>	<a href="#">23049</a>
<b>mRNA Refseq</b>	<a href="#">NM_015092.4</a>
<b>Protein Refseq</b>	<a href="#">NP_055907.3</a>

<b>UniProt ID</b>	Q96Q15
<b>Chromosome Location</b>	16p12.3
<b>Pathway</b>	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;
<b>Function</b>	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;