

## Recombinant Human SMG1 Protein, 2922-3031, N-GST tagged

Cat. No. SMG1-13H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human SMG1 partial ORF (NP_055535, 2922-3031) recombinant protein with GST-tag at N-terminal was expressed in Wheat Germ (in vitro).
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	2922-3031
<b>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.
<b>Molecular Mass</b>	37.84 kDa
<b>AA Sequence</b>	PDVMSQNARKLIQKLNLSADTPPSTVPGTGKSVACSPKKAVRDPKTGKAVQERN YAVSVWKRVKAKLEGRDVPNRRMSVAEQVDYVIKEATNLDNLAQLYEGWTAWV
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

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<b>Quality Control Test</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

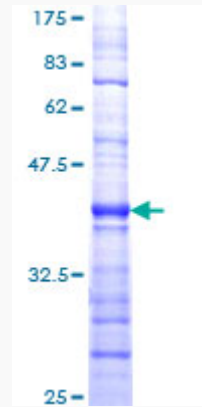
<b>Gene Name</b>	SMG1 SMG1 nonsense mediated mRNA decay associated PI3K related kinase [ Homo sapiens (human) ]
<b>Official Symbol</b>	SMG1
<b>Synonyms</b>	SMG1; SMG1 nonsense mediated mRNA decay associated PI3K related kinase; ATX; LIP; 61E3.4; serine/threonine-protein kinase SMG1; PI-3-kinase-related kinase SMG-1; SMG1 phosphatidylinositol 3-kinase-related kinase; lambda-interacting protein; lambda/iota protein kinase C-interacting protein; nonsense mediated mRNA decay-associated PI3K-related kinase SMG1; smg-1 homolog, phosphatidylinositol 3-kinase-related kinase; EC 2.7.11.1
<b>Gene ID</b>	23049
<b>mRNA Refseq</b>	NM_015092
<b>Protein Refseq</b>	NP_055907
<b>MIM</b>	607032
<b>UniProt ID</b>	Q96Q15

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**SDS-PAGE**



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