

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

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

SPECIFICATION

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

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Quality Control Test	12.5% SDS-PAGE Stained with Coomassie Blue.
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	SMG1 SMG1 nonsense mediated mRNA decay associated PI3K related kinase [Homo sapiens (human)]
Official Symbol	SMG1
Synonyms	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
Gene ID	23049
mRNA Refseq	NM_015092
Protein Refseq	NP_055907
MIM	607032
UniProt ID	Q96Q15

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SDS-PAGE

