

## Recombinant Human SMG8 protein, GST-tagged

Cat. No. SMG8-5743H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human SMG8 protein(521-745 aa), fused with N-terminal GST tag, was expressed in E.coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	521-745 aa
<b>Form</b>	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
<b>AASequence</b>	MTVHKNQLAQALRVYSQHARGPAFHKYAMQLHEDCYKFWNSNGHQLCEERSLTDQ HCVHKFHSLPKSGEKPEADRNPVLYHNSRARSTGACNCGRKQAPRDDPFDIKAA NYDFYQLLEEKCCGKLDHINFVFEFSTPDPAPAKNESSPAPPDSDADKLKEKEPQT QGESTLSLALSLGQSTDSLGTYPADPQAGGDNPEVHGQVEVKTEKRPNFVDRQA STVE
<b>Purity</b>	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
<b>Storage</b>	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid

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repeat freeze-thaw cycles.

**Reconstitution**

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

## GENE INFORMATION

**Gene Name**

SMG8 smg-8 homolog, nonsense mediated mRNA decay factor (*C. elegans*) [ *Homo sapiens* ]

**Official Symbol**

SMG8

**Synonyms**

SMG8; smg-8 homolog, nonsense mediated mRNA decay factor (*C. elegans*); C17orf71, chromosome 17 open reading frame 71; protein SMG8; FLJ10587; FLJ23205; protein smg-8 homolog; amplified in breast cancer gene 2 protein; C17orf71;

**Gene ID**

55181

**mRNA Refseq**

NM\_018149

**Protein Refseq**

NP\_060619

**MIM**

613175

**UniProt ID**

Q8ND04

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SDS-PAGE



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