

Recombinant Human SMG8 protein, GST-tagged

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

SPECIFICATION

Product Overview	Recombinant Human SMG8 protein(521-745 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	521-745 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 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).
AASequence	MTVHKNQLAQAALRVYSQHARGPAFHKYAMQLHEDCYKFWSNGHQLCEERSLTDQ HCVHKFHSLPKSGEKPEADRNPPVLYHNSRARSTGACNCGRKQAPRDDPFDIKAA NYDFYQLLEEKCCGKLDHINFVPFEPSTDPAPAKNESSAPPDSDADKLKEKEPQT QGESTSLSLALSLGQSTDLSLGTYPADPQAGGDNPEVHGQVEVKTEKRPNFVDRQA STVE
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	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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