Recombinant Human RPS3, GST-tagged

Cat. No. RPS3-480H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ribosomal protein S3 (aa 1-243) is fused at the N-terminus to a GST-tag.
Species	Human
Source	E.coli
ProteinLength	1-243 a.a.
Description	RPS3 (Ribosomal protein S3) is a component of the 40S ribosomal subunit and is an an essential but previously unkown subunit of NF-kappaB involved in the regulation of key genes in rapid cellular activation responses. RPS3 interacts with nm23-H1. The expression of RPS3 reduces the secretion of MMP-9 and the invasive metastatic potential in HT1080 cells. The phosphorylated ERK is reduced by the expression of RPS3.
Form	Liquid. 0.2μm-filtered solution in 25mM TRIS-Cl, pH 8.5, containing 1mM DTT.
Molecular Mass	~50kDa (SDS-PAGE)
Purity	≥90% (SDS-PAGE)
Stability	Working aliquots are stable for up to 3 months when stored at -20°C.
Storage	Short Term Storage: +4°C; Long Term Storage: -20°C. After opening, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles.

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GENE INFORMATION

Gene Name	RPS3 ribosomal protein S3 [Homo sapiens]
Official Symbol	RPS3
Synonyms	RPS3; ribosomal protein S3; 40S ribosomal protein S3; FLJ26283; FLJ27450; IMR 90 ribosomal protein S3; MGC87870; S3; IMR-90 ribosomal protein S3;
Gene ID	6188
mRNA Refseq	NM_001005
Protein Refseq	NP_000996
MIM	600454
UniProt ID	P23396
Chromosome Location	11q13.3-q13.5
Pathway	Activation of the mRNA upon binding of the cap-binding complex and eIFs, and subsequent binding to 43S, organism-specific biosystem; Cap-dependent Translation Initiation, organism-specific biosystem; Cytoplasmic Ribosomal Proteins, organism-specific biosystem; Disease, organism-specific biosystem; Eukaryotic Translation Elongation, organism-specific biosystem; Eukaryotic Translation Initiation, organism-specific biosystem; Eukaryotic Translation Termination, organism-specific biosystem;
Function	DNA-(apurinic or apyrimidinic site) lyase activity; NF-kappaB binding; damaged DNA binding; endonuclease activity; iron-sulfur cluster binding; mRNA binding; protein

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	binding; protein kinase binding; structural constituent of ribosome; structural constituent of ribosome;

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