

## Recombinant Human RPS3, His-tagged

**Cat. No.** RPS3-2428H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human RPS3 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.                                                               |
| <b>Species</b>          | Human                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                |
| <b>ProteinLength</b>    | 1-243aa                                                                                                                                                               |
| <b>Source</b>           | E.coli                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                 |
| <b>Tag</b>              | His                                                                                                                                                                   |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                             |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol. |

### GENE INFORMATION

|                  |                                            |
|------------------|--------------------------------------------|
| <b>Gene Name</b> | RPS3 ribosomal protein S3 [ Homo sapiens ] |
|------------------|--------------------------------------------|

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|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Official Symbol</b>     | RPS3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>            | RPS3; ribosomal protein S3; 40S ribosomal protein S3; FLJ26283; FLJ27450; IMR 90 ribosomal protein S3; MGC87870; S3; IMR-90 ribosomal protein S3;                                                                                                                                                                                                                                                                                                                                                           |
| <b>Gene ID</b>             | 6188                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>mRNA Refseq</b>         | NM_001005                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Protein Refseq</b>      | NP_000996                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>MIM</b>                 | 600454                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>UniProt ID</b>          | P23396                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Chromosome Location</b> | 11q13.3-q13.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Pathway</b>             | 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; |
| <b>Function</b>            | DNA-(apurinic or apyrimidinic site) lyase activity; NF-kappaB binding; damaged DNA binding; endonuclease activity; iron-sulfur cluster binding; mRNA binding; protein binding; protein kinase binding; structural constituent of ribosome; structural constitue                                                                                                                                                                                                                                             |

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