

## 40S ribosomal protein S6 (RPS6) Recombinant Protein | RPS6 recombinant protein

Recombinant Human 40S ribosomal protein S6 (RPS6)

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| CATALOG #<br><b>AAA114052</b> | HOST<br><b>E Coli or Yeast or Baculovirus or Mammalian Cell</b> |
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### PRODUCT SYNONYMS

40S ribosomal protein S6 (RPS6); Recombinant Human 40S ribosomal protein S6 (RPS6); RPS6 recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                            |
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| Host                    | E Coli or Yeast or Baculovirus or Mammalian Cell                                                                                                                                                                                                                                           |
| Purity/Purification     | Greater or equal to 85% purity as determined by SDS-PAGE.                                                                                                                                                                                                                                  |
| Form/Format             | Lyophilized or liquid (Format to be determined during the manufacturing process)                                                                                                                                                                                                           |
| Sequence Positions      | 1-249aa; Full Length Protein                                                                                                                                                                                                                                                               |
| Sequence                | MKLNISFPAT GCQKLEI VDD ERKLRTFYEK RMATEVAADA LGEEWKGYVV RISGGNDKQG FPMKQGVLT<br>H GRVRLLSKG HSCYRPRRTG ERKRKSVRGC IVDANLSVLN LVIVKKGEKD IPGLTDTTVP RRLGPKRASR<br>IRKLFNLSKE DDVRQYVVRK PLNKEGKKPR TKAPKIQLV TPRVLQHKRR RIALKKQRTK KNKEEAAEYA<br>KLLAKRMKEA KEKRQE QIAK RRLSSLRAS TSKSESSQK |
| Species                 | Human                                                                                                                                                                                                                                                                                      |
| Preparation and Storage | Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.                                                                                        |

### ADDITIONAL INFORMATION

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| Related Product Information for RPS6 recombinant protein | Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a cytoplasmic ribosomal protein that is a component of the 40S subunit. The protein belongs to the S6E family of ribosomal proteins. It is the major substrate of protein kinases in the ribosome, with subsets of five C-terminal serine residues phosphorylated by different protein kinases. Phosphorylation is induced by a wide range of stimuli, including growth factors, tumor-promoting agents, and mitogens. Dephosphorylation occurs at growth arrest. The protein may contribute to the control of cell growth and proliferation through the selective translation of particular classes of mRNA. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. |
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### NCBI AND UNIPROT INFORMATION

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|----------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | <a href="#">17158044</a>                                                                                                   |
| NCBI GeneID                      | <a href="#">6194</a>                                                                                                       |
| NCBI Accession #                 | <a href="#">NP_001001.2</a>                                                                                                |
| NCBI GenBank Nucleotide #        | <a href="#">NM_001010.2</a>                                                                                                |
| UniProt Accession #              | <a href="#">P62753</a> ; <a href="#">P08227</a> ; <a href="#">P10660</a> ; <a href="#">Q4VBY7</a> ; <a href="#">Q8N6Z7</a> |
| Molecular Weight                 | 28,681 Da                                                                                                                  |
| NCBI Official Full Name          | 40S ribosomal protein S6                                                                                                   |
| NCBI Official Synonym Full Names | ribosomal protein S6                                                                                                       |

|                               |                          |
|-------------------------------|--------------------------|
| NCBI Official Symbol          | RPS6                     |
| NCBI Official Synonym Symbols | S6                       |
| NCBI Protein Information      | 40S ribosomal protein S6 |
| UniProt Protein Name          | 40S ribosomal protein S6 |
| UniProt Gene Name             | <b>RPS6</b>              |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/rps6-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/114052>