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# RPS3 Human

*Ribosomal Protein S3 Human Recombinant*
*RCP1922*

## Product Overview

| | |
|---|---|
| Name | RPS3 Human |

**Description**

Ribosomal Protein S3 Human Recombinant

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|---|---|
| Accession (Primary) | P23396 |

**Synonyms**

S3, Ribosomal protein S3, 40S ribosomal protein S3, IMR-90 ribosomal protein S3, MGC87870, FLJ26283, FLJ27450.

**Introduction**

40S ribosomal protein S3 is a member of the S3P family of ribosomal proteins. RPS3 facilitates the formation of the mRNA binding site 3' of the codon in the decoding site. Moreover, RPS3 takes part in DNA damage recognition due to its affinity for abasic sites and 7, 8-dihydro-8-oxoguanine residues and its collaboration with human base excision repair proteins OGG1 and Ref-1. Expression of RPS3 is higher in colon adenocarcinomas and adenomatous polyps compared to adjacent normal colonic mucosa.

**Source**

E.coli.

**Physical Appearance**

Sterile Filtered colorless solution.

**Formulation**

The RPS3 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 0.1M NaCl and 10% glycerol.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Purity**

Greater than 90% as determined by SDS-PAGE.

**Amino acid sequence**

MGSSHHHHHH SSGLVPRGSH MAVQISKKRK FVADGIFKAE LNEFLTRELA EDGYSGVEVR VTPTRTEIII LATRTQNVLG EKGRRIRELT AVVQKRFGFP EGSVELYAEK VATRGLCAIA QAESLRYKLL GGLAVRRACY GVLRFIMESG AKGCEVVVSG KLRGQRAKSM KFVDGLMIHS GDPVNYYVDT AVRHVLLRQG VLGIKVKIML PWDPTGKIGP KKPLPDHVSI VEPKDEILPT TPISEQKGGK PEPPAMPQPV PTA.

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**Precautions**

RPS3 Human is for research use only and not for use in diagnostic or therapeutic procedures.

## Target Information: ( P23396 )