
Product Data Sheet

Product Name: RPS3 Human
 Cat. No.: GP24427
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	S3; Ribosomal protein S3; 40S ribosomal protein S3; IMR-90 ribosomal protein S3; MGC87870; FLJ26283; FLJ27450.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MAVQISKKRK FVADGIFKAE LNEFLTRELA EDGYSGVEVR VTPTRTEIII LATRTQNVLG EKGRRIRELT AVVQKRFGFP EGSVELYAEK VATRGLCAIA QAESLRYKLL GGLAVRRACY GVLRFIMESG AKGCEVVVSG KLRGQRAKSM KFVDGLMIHS GDPVNYVDT AVRHVLLRQG VLGKVKIML PWDPTGKIGP KKPLPDHVS IVEPKDEILPT TPISEQKGGK PEPPAMPQPV PTA.		
Formulation	The RPS3 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 0.1M NaCl and 10% glycerol.		

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.

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.

Background

RPS3 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide

Caution: Product has not been fully validated for medical applications. For research use only.

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chain containing 263 amino acids (1-243) and having a molecular mass of 28.8 kDa. RPS3 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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