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## Product Data Sheet

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Product Name: RPS3A Human

Cat. No.: GP24428

Batch No.: 1

**Product Data**

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Ribosomal protein S3A; v-fos transformation effector protein 1; 40S ribosomal protein S3a; MFTL; FTE1; S3A.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSHEMAVGKN KRLTKGGKKG AKKKVVDPFSS KKDWDYDVKAP AMFNIRNIGK TLVTRTQGTK IASDGLKGRV FEVSLADLQN DEVAFRKFKL ITEDVQGKNC LTNFHGMDLT RDKMCSMVKK WQTMIEAHVD VKTTDGYLLR LFCVGFTKKR NNQIRKTSYA QHQQVRQIRK KMMEIMTREV QTNDLKEVVN KLIPDSIGKD IEKACQSIYP LHDVFVRKVK MLKKPKFELG KLMELHGEES SSGKATGDET GAKVERADGY EPPVQESV.		
Formulation	The RPS3A solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 200mM NaCl, 2mM DTT and 50% glycerol.		

**Introduction**

RPS3A is a member of the S3AE family of ribosomal proteins. Ribosomes, the organelles which catalyze protein synthesis, composed of a large 60S subunit and a small 40S subunit. Together these subunits consist of 4 RNA classes and around 80 structurally diverse proteins. RPS3A, a component of the 40S subunit, is a ribosomal protein that is situated in the cytoplasm. Interference of the gene encoding rat ribosomal protein S3a, in v-fos-transformed rat cells cause a degeneration of the transformed phenotype.

**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**

RPS3A Human Recombinant produced in E. coli is a single polypeptide chain containing

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

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288 amino acids (1-264) and having a molecular mass of 32.5kDa. RPS3A is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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