

Product datasheet for **AR51278PU-N**

RPS4X (1-263, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	RPS4X (1-263, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMARGPKK HMKRVAAPKH WMLDKLTGVF APRPSTGPHK LRECLPLIIF LRNRLKYALT GDEVKKICMQ RFIKIDGKVR TDITYPAGFM DVISIDKTGE NFRLIYDTKG RFAVHRITPE EAKYKLCCKVR KIFVGTGKIP HLVTHDARTI RYPDPLIKVN DTIQIDLETG KITDFIKFDT GNLCMVTGGA NLGRIGVITN RERHPGSFDV VHVKDANGNS FATRLSNIFV IGKGNKPWIS LPRGKGIRLT IAEERDKRLA AKQSSG
Tag:	His-tag
Predicted MW:	32 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl (pH 8.0) containing 40% glycerol, 0.15M NaCl, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human RPS4X protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_000998
Locus ID:	6191
UniProt ID:	P62701 , B2R491
Cytogenetics:	Xq13.1
Synonyms:	CCG2; DXS306; RPS4; S4; SCAR; SCR10



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Summary:

Cytoplasmic ribosomes, 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 ribosomal protein S4, a component of the 40S subunit. Ribosomal protein S4 is the only ribosomal protein known to be encoded by more than one gene, namely this gene and ribosomal protein S4, Y-linked (RPS4Y). The 2 isoforms encoded by these genes are not identical, but are functionally equivalent. Ribosomal protein S4 belongs to the S4E family of ribosomal proteins. This gene is not subject to X-inactivation. It has been suggested that haploinsufficiency of the ribosomal protein S4 genes plays a role in Turner syndrome; however, this hypothesis is controversial. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. [provided by RefSeq, Jul 2008]

Protein Pathways:

Ribosome

Product images: