

Product datasheet for **SC320586**

RPS4X (NM_001007) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: RPS4X (NM_001007) Human Untagged Clone
Tag: Tag Free
Symbol: RPS4X
Synonyms: CCG2; DXS306; RPS4; S4; SCAR; SCR10
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001007.3
ACGCAGCCATGGCTCGTGGTCCCAAGAAGCATCTGAAGCGGGTGGCAGCTCCAAAGCATT
GGATGCTGGATAAATTGACCGGTGTTTGTCTCCTCGTCCATCCACCGGTCCCCACAAGT
TGAGAGAGTGTCTCCCCCTCATCATTTTCTGAGGAACAGACTTAAGTATGCCCTGACAG
GAGATGAAGTAAAGAAGATTTGCATGCAGCGTTTCATTAATCGATGGCAAGGTCGGAA
CTGATATAACCTACCCTGCTGGATTCATGGATGTCATCAGCATTGACAAGACGGGAGAGA
ATTTCCGTCTGATCTATGACACCAAGGGTCGCTTTGCTGTACATCGTATTACACCTGAGG
AGGCCAAGTACAAGTTGTGCAAAGTGAGAAAGATCTTTGTGGGCACAAAAGGAATCCCTC
ATCTGGTGACTCATGATGCCCGCACCATCCGCTACCCCGATCCCCTCATCAAGGTGAATG
ATACCATTGAGATTGATTTGGAGACTGGCAAGATTACTGATTTTCATCAAGTTCGACTG
GTAACCTGTGTATGGTGACTGGAGGTGCTAACCTAGGAAGAATTGGTGTGATCACCAACA
GAGAGAGGCACCCCTGGATCTTTTACGTTGACGTGAAAGATGCCAATGGCAACAGCT
TTGCCACTCGACTTTCCAACATTTTGTATTGGCAAGGGCAACAACCATGGATTTCTC
TTCCCCGAGGAAAGGGTATCCGCCTCACCATTGCTGAAGAGAGAGACAAAAGACTGGCGG
CCAAACAGAGCAGTGGGTGAAATGGGTCCCTGGGTGACATGTCAGATCTTTGTACGTAAT
TAAAAATATTGTGGCAGGATTAATAGCAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_001007

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001007.3</u> , <u>NP_000998.1</u>
RefSeq Size:	977 bp
RefSeq ORF:	792 bp
Locus ID:	6191
UniProt ID:	<u>P62701</u>
Cytogenetics:	Xq13.1
Domains:	Ribosomal_S4e, S4, KOW
Protein Pathways:	Ribosome
Gene 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]