



# Recombinant Human 40S ribosomal protein S4, X isoform (RPS4X)

<b>Product Code</b>	CSB-MP020456HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P62701
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	ARGPKKHLK RVAAPKHWML DKLTGVFAPR PSTGPHKLRE CLPLIIFLRN RLKYALTGDE VKKICMQRFI KIDGKVRTDI TYPAGFMDVI SIDKTGENFR LIYDTKGRFA VHRITPEEAK YKLCKVRKIF VGTKGIPHLV THDARTIRYP DPLIKVNDTI QIDLETGKIT DFIKFDTGNL CMVTGGANLG RIGVITNRER HPGSFDVVHV KDANGNSFAT RLSNIFVIGK GNKPWISLPR GKGIRLTIAE ERDKRLAAKQ SSG
<b>Source</b>	Mammalian cell
<b>Target Names</b>	RPS4X
<b>Protein Names</b>	Recommended name: 40S ribosomal protein S4, X isoform Alternative name(s): SCR10 Single copy abundant mRNA protein
<b>Expression Region</b>	2-263
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final



concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.