



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

Product Code	CSB-EP020456HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P62701
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	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
Source	E.coli
Target Names	RPS4X
Protein Names	Recommended name: 40S ribosomal protein S4, X isoform Alternative name(s): SCR10 Single copy abundant mRNA protein
Expression Region	2-263
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.
Reconstitution	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.

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.