



Recombinant Human 40S ribosomal protein S3a (RPS3A)

Product Code	CSB-MP020444HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P61247
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	AVGKNKRLT KGGKKGAKKK VVDPFSKKDW YDVKAPAMFN IRNIGKTLVT RTQGTKIASD GLKGRVFEVS LADLQNDEVA FRKFKLITED VQGKNCLTNF HGMDLTRDKM CSMVKKWQTM IEAHVDVKTG DGYLLRLFCV GFTKKRNNQI RKTSYAQHQQ VRQIRKKMME IMTREVQTND LKEVVNKLIP DSIGKDIEKA CQSIYPLHDV FVRKVKMLKK PKFELGKLME LHGEGSSSGK ATGDETGAKV ERADGYEPPV QESV
Source	Mammalian cell
Target Names	RPS3A
Protein Names	Recommended name: 40S ribosomal protein S3a Alternative name(s): v-fos transformation effector protein Short name= Fte-1
Expression Region	2-264
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	Ribosomes, the 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 a ribosomal protein that is a component of the 40S subunit. The protein belongs to the S3AE family of ribosomal proteins. It is located in the cytoplasm. Disruption of the gene encoding rat ribosomal protein S3a, also named v-fos transformation effector protein, in v-fos-transformed rat cells results in reversion of the transformed phenotype. Transcript variants utilizing alternative transcription start sites have been described. This gene is co-transcribed with the U73A and U73B small nucleolar RNA genes, which are located in its fourth and third introns, respectively. 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.