Recombinant Human Transcription factor A, mitochondrial (TFAM)

Product Code	CSB-YP023413HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	Q00059
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	SSVLASCP KKPVSSYLRF SKEQLPIFKA QNPDAKTTEL IRRIAQRWRE LPDSKKKIYQ DAYRAEWQVY KEEISRFKEQ LTPSQIMSLE KEIMDKHLKR KAMTKKKELT LLGKPKRPRS AYNVYVAERF QEAKGDSPQE KLKTVKENWK NLSDSEKELY IQHAKEDETR YHNEMKSWEE QMIEVGRKDL LRRTIKKQRK YGAEEC
Source	Yeast
Target Names	TFAM
Protein Names	Recommended name: Transcription factor A, mitochondrial Short name= mtTFA Alternative name(s): Mitochondrial transcription factor 1 Short name= MtTF1 Transcription factor 6 Short name= TCF-6 Transcription factor 6-like
Expression Region	43-246
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	This gene encodes a mitochondrial transcription factor that is a key activator of mitochondrial transcription as well as a participant in mitochondrial genome replication. Studies in mice have demonstrated that this gene product is required to regulate the mitochondrial genome copy number and is essential for embryonic development. A mouse model for Kearns-Sayre syndrome was produced when expression of this gene was eliminated by targeted disruption in heart and muscle cells.
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.