



Recombinant Bovine Transcription factor A, mitochondrial (TFAM)

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| Product Code | CSB-EP023413BO-B |
| Abbreviation | TFAM |
| Storage | 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. |
| Uniprot No. | Q0II87 |
| Product Type | Recombinant Protein |
| Immunogen Species | Bos taurus (Bovine) |
| Purity | >85% (SDS-PAGE) |
| Sequence | SSSLSGYP KKPMTSYVRF SKEQLPIFKA QNPDAKNSEL IKKIAKLWRE LPDSEKKIYE DAYRADWQVY KEEINRIQEQLTPSQMVSLE KEIMQKRLKK KALIKKRELT MLGPKRPRS AYNIFIAERF QEARDGTSQV KLKAINENWK NLSNSQKQVY IQLAKDDKIR YYNEMKSWEE QMMEVGREDL IRRSIKYP AK NDPEKF |
| Source | E.coli |
| Target Names | TFAM |
| Protein Names | Recommended name: Transcription factor A, mitochondrial Short name= mtTFA |
| 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.