



Recombinant Human Cyclic AMP-dependent transcription factor ATF-7 (ATF7)

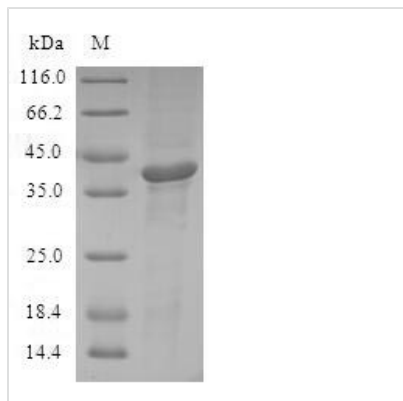
Product Code	CSB-EP002279HU
Relevance	Plays important functions in early cell signaling. Binds the cAMP response element (CRE) (consensus: 5'-GTGACGT[AG][AG]-3'), a sequence present in many viral and cellular promoters. Activator of the NF-ELAM1/delta-A site of the E-selectin promoter. Has no intrinsic transcriptional activity, but activates transcription on formation of JUN or FOS heterodimers. Also can bind TRE promoter sequences when heterodimerized with members of the JUN family. Isoform 4 acts as a dominant repressor of the E-selectin/NF-ELAM1/delta-A promoter. Isoform 5 acts as a negative regulator, inhibiting both ATF2 and ATF7 transcriptional activities. It may exert these effects by sequestering in the cytoplasm the Thr-53 phosphorylating kinase, preventing activation.
Abbreviation	Recombinant Human ATF7 protein
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.	P17544
Alias	Activating transcription factor 7 Transcription factor ATF-A
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MGDDRPFVCNATGCGQRFTNEDHLAVHKKHHEMTLKFGPARTDSVIIADQTP TPTRFLKNCEEVGLFNELESSFEHEFKKADEDEKKARSRTVAKKLVVFRPRL FLLCFGIIFLIG
Research Area	Epigenetics and Nuclear Signaling
Source	E.coli
Target Names	ATF7
Protein Names	Recommended name: Cyclic AMP-dependent transcription factor ATF-7 Short name= cAMP-dependent transcription factor ATF-7 Alternative name(s): Activating transcription factor 7 Transcription factor ATF-A
Expression Region	1-117aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged
Mol. Weight	40.3kDa



Protein Length

Full Length of BC042363

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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.