

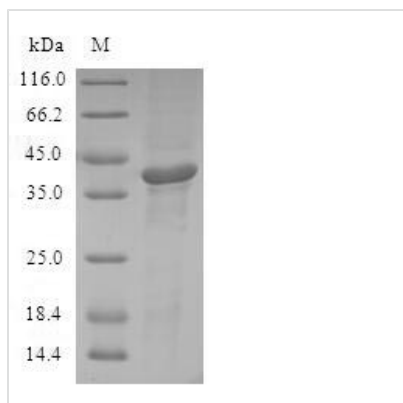


# Recombinant Human Cyclic AMP-dependent transcription factor ATF-7 (ATF7)

<b>Product Code</b>	CSB-EP002279HU
<b>Relevance</b>	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.
<b>Abbreviation</b>	Recombinant Human ATF7 protein
<b>Storage</b>	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.
<b>Uniprot No.</b>	P17544
<b>Alias</b>	Activating transcription factor 7 Transcription factor ATF-A
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	MGDDRPFVCNATGCGQRFTNEDHLAVHKHKHEMTLKFGPARTDSVIIADQTP TPTRFLKNCEEVGLFNELASSFEHEFKKAADEDEKKARSRTVAKKLVVFRPRL FLLCFGIIFLIG
<b>Research Area</b>	Epigenetics and Nuclear Signaling
<b>Source</b>	E.coli
<b>Target Names</b>	ATF7
<b>Protein Names</b>	Recommended name: Cyclic AMP-dependent transcription factor ATF-7 Short name= cAMP-dependent transcription factor ATF-7Alternative name(s): Activating transcription factor 7 Transcription factor ATF-A
<b>Expression Region</b>	1-117aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal GST-tagged
<b>Mol. Weight</b>	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**

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