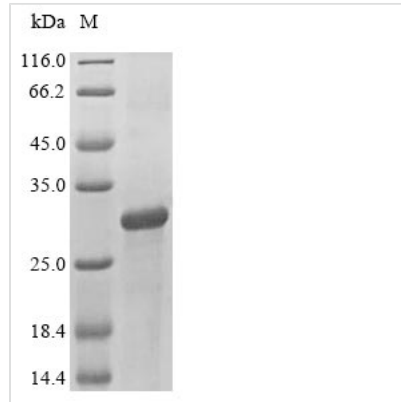




Recombinant Human Cyclic AMP-dependent transcription factor ATF-3 (ATF3)

Product Code	CSB-EP002271HU
Relevance	This protein binds the cAMP response element (CRE) (consensus: 5'-GTGACGT[AC][AG]-3'), a sequence present in many viral and cellular promoters. Represses transcription from promoters with ATF sites. It may repress transcription by stabilizing the binding of inhibitory cofactors at the promoter. Isoform 2 activates transcription presumably by sequestering inhibitory cofactors away from the promoters.
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.	P18847
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	MMLQHPGQVSASEVSASAIVPCLSPPGSLVFEDFANLTPFVKEELRFAIQNKHL CHRMSSALESVTVSDRPLGVSITKAEVAPEEDERKKRRRERNKIAAAKCRNKK KEKTECLQKESEKLESVNAELKAQIEELKNEKQHLYMLNLHRPTCIVRAQNGR TPEDERNLFIQQIKEGTLQS
Research Area	Cancer
Source	E.coli
Target Names	ATF3
Protein Names	Activating transcription factor 3
Expression Region	1-181aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	26.1 kDa
Protein Length	Full Length
Image	



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

Description

Enhance your cancer research capabilities with our premium Recombinant Human ATF3 protein. ATF3, or cyclic AMP-dependent transcription factor ATF-3, is a key player in cellular stress responses, regulating various biological processes such as apoptosis, cell survival, and inflammation. Its role in these processes makes it an essential target in cancer research.

Our Recombinant Human ATF3 protein represents the full-length protein, including the 1-181aa expression region, and is meticulously produced in E.coli. The N-terminal 6xHis-tag allows for ease of purification and detection, ensuring an exceptional product for your experiments. With a purity greater than 85% as determined by SDS-PAGE, our Recombinant Human ATF3 provides a reliable foundation for your cancer research needs. Available in both liquid and lyophilized powder forms, this protein caters to diverse experimental requirements.

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.