

## Human Activating Transcription Factor 6 (ATF6) ELISA Kit | ATF6 elisa kit

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CATALOG #  
**AAA189753**

REACTIVITY  
**Human**

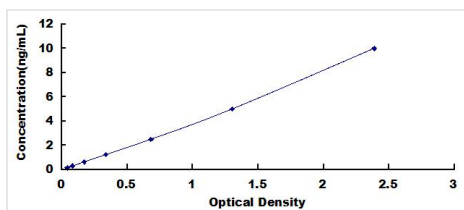
### PRODUCT SYNONYMS

Activating Transcription Factor 6 (ATF6); Human Activating Transcription Factor 6 (ATF6) ELISA Kit; Processed cyclic AMP-dependent transcription factor ATF-6 alpha; ATF6/Activating Transcription Factor 6; ATF6 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of ATF6. No significant cross-reactivity or interference between ATF6 and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Assay Type              | Quantitative Sandwich                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Samples                 | Human tissue homogenates, cell lysates and other biological fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Detection Range         | 0.156-10ng/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Sensitivity             | < 0.060ng/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ATF6 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ATF6 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%                                                                                                                                                                                                                                                                                                                                                                                          |
| Preparation and Storage | Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life)<br>Shelf Life: 8 months<br>The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end. |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for ATF6 elisa kit | <p>Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to ATF6. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to ATF6. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain ATF6, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of ATF6 in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> <p>Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ATF6 in human tissue homogenates, cell lysates and other biological fluids.</p> |
| Product Categories/Family for ATF6 elisa kit   | Signal transduction; Developmental science                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                        |
|----------------------------------|--------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 2245630                                                                                                |
| NCBI GeneID                      | 22926                                                                                                  |
| UniProt Accession #              | P18850; O15139; Q5VW62; Q6IPB5; Q9UEC9                                                                 |
| Molecular Weight                 | 74,585 Da                                                                                              |
| NCBI Official Full Name          | ATF6                                                                                                   |
| NCBI Official Synonym Full Names | activating transcription factor 6                                                                      |
| NCBI Official Symbol             | ATF6                                                                                                   |
| NCBI Official Synonym Symbols    | ATF6A                                                                                                  |
| NCBI Protein Information         | cyclic AMP-dependent transcription factor ATF-6 alpha; cAMP-dependent transcription factor ATF-6 alpha |
| UniProt Protein Name             | Cyclic AMP-dependent transcription factor ATF-6 alpha                                                  |
| UniProt Gene Name                | ATF6                                                                                                   |
| UniProt Synonym Gene Names       | cAMP-dependent transcription factor ATF-6 alpha; ATF6-alpha                                            |
| UniProt Entry Name               | ATF6A_HUMAN                                                                                            |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/activating-transcription-factor-6-atf6/189753>