



# Recombinant Mouse Nuclear factor of activated T-cells, cytoplasmic 1 (Nfatc1)

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| <b>Product Code</b>      | CSB-EP015745MO  |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.   |
| <b>Uniprot No.</b>       | O88942  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Mus musculus (Mouse)  |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | <p>MPNTSFPVPS KFPLGPPAAV CGSGETLRPA PPSGGTMKAA EEEHYSYVSP<br/> SVTSTLPLPT AHSALPAACH DLQTSTPGIS AVPSANHPPS YGGAVDSGPS<br/> GYFLSSGNTR PNGAPTLESP RIEITSYLGL HHGSGQFFHD VEVEDVLPSC<br/> KRSPSTATLH LPSLEAYRDP SCLSPASSLS SRSCNSEASS YESNYSYPYA<br/> SPQTSPWQSP CVSPKTTDPE EGFPRSLGAC HLLGSPRHSP STSPRASITE<br/> ESWLGARGSR PTSPCNKRKY SLNGRQPSCS PHSPTPSPH<br/> GSPRVSVTED TWLGNTTQYT SSAIVAAINA LTTDSTLDLG DGVPIKSRKT<br/> ALEHAPSVAL KVEPAGEDLG TTPPTSDFPP EYTFQHRLK GAFCEQYLSV<br/> PQASYQWAKP KSLSPTSIMS PSLPALDWQL PSHSGPYELR IEVQPKSHHR<br/> AHYETEGSRG AVKASAGGHP IVQLHGYLEN EPLTLQLFIG TADDRLLRPH<br/> AFYQVHRITG KTVSTTSHEI ILSNTKVLEI PLLPENNMRA IIDCAGILKL<br/> RNSDIELRKG ETDIGRKNTR VRLVFRVHIP QPNGRTLSQL VASNPIECSQ<br/> RSAQELPLVE KQSTDSYPVI GGKKMVLSGH NFLQDSKVIF VEKAPDGHV<br/> WEMEAKTDRD LCKPNSLVVE IPPFRNQRIT SPAQVSFYVC NGKRKRSQYQ<br/> RFTYLPANGN SVFLTLSSSES ELRGGFY</p> |
| <b>Source</b>            | E.coli  |
| <b>Target Names</b>      | Nfatc1  |
| <b>Protein Names</b>     | Recommended name: Nuclear factor of activated T-cells, cytoplasmic 1 Short name= NF-ATc1 Short name= NFATc1 Alternative name(s): NFAT transcription complex cytosolic component Short name= NF-ATc Short name= NFATc  |
| <b>Expression Region</b> | 1-717   |
| <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>          | Tag type will be determined during the manufacturing process.   |
| <b>Protein Length</b>    | Full length protein   |
| <b>Target Details</b>    | The product of this gene is a component of the nuclear factor of activated T cells DNA-binding transcription complex. This complex consists of at least two components: a preexisting cytosolic component that translocates to the nucleus upon T cell receptor (TCR) stimulation, and an inducible nuclear component. Proteins belonging to this family of transcription factors play a central role in inducible gene transcription during immune response. The product of this gene is an inducible nuclear component. It functions as a major molecular target for  |



the immunosuppressive drugs such as cyclosporin A. Five transcript variants encoding distinct isoforms have been identified for this gene. Different isoforms of this protein may regulate inducible expression of different cytokine genes.

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**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.

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**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.