Recombinant BATF2 protein (His tag)

Catalog Number	547719
Synonyms	B-ATF-2; Suppressor of AP-1 regulated by IFN; SARI
Species	Human
Expression System	E. coli
Accession	Q8N1L9
Molecular Weight	Predictes a molecular mass of 11.70 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 12 kDa band.

Product Information

Sequence Region	1-86
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 1-86 aa (Q8N1L9) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Recombinant Human BATF2 (B-ATF-2/SARI) bZIP Domain Fragment (aa 1-86) - A high-purity protein fragment specifically designed for studying the DNA-binding and transcriptional regulatory functions of this key AP-1 family transcription factor. This fragment fully encompasses the functional bZIP domain, making it an ideal tool for investigating immune cell differentiation and cancer signaling pathways. Basic leucine zipper transcriptional factor ATF-like 2 (BATF2), also known as Suppressor of AP-1 regulated by IFN (SARI), is an AP-1 family transcription factor that plays critical roles in immune system regulation and cancer suppression. The full-length protein functions by forming heterodimers with JUN family proteins that recognize and bind to the DNA sequence 5'-TGA[CG]TCA-3', thereby regulating expression of target genes. BATF2 has been shown to participate in the differentiation of CD8(+) thymic conventional dendritic cells following infection and acts as a tumor suppressor by selectively suppressing CCN1 transcription. This suppression blocks downstream cell proliferation signals and inhibits CCN1-induced anchorage-independent growth and invasion in various cancers, including breast cancer, malignant glioma, and metastatic melanoma. The protein is localized to the nucleus, consistent with its role as a transcriptional regulator.