

Recombinant Chicken Transcription Factor Jun (JUN)

Cat. No.: AP2C486

Product Type: Animal Proteins

Size: 20 µg; 100 µg; 1 mg

Product Overview

BioVenic's Recombinant Chicken Transcription Factor Jun (JUN) is a recombinant protein expressed from *E. coli*. Its predicted molecular weight is 34.4 kDa. The purity is >85% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Chicken
Expression System	<i>E. coli</i>
Purity	>85% (SDS-PAGE)
Predicted Molecular Weight	34.4 kDa
Physical State	Lyophilized
Formulation	Tris/PBS-based buffer, 5%-50% glycerol.

Target Information

Chicken Transcription Factor Jun (JUN) is a member of the AP-1 transcription factor complex, which plays a crucial role in regulating gene expression in response to various stimuli. JUN influences cell proliferation, differentiation, and apoptosis by binding to specific DNA sequences and modulating the transcription of target genes. Research indicates that JUN can promote female differentiation in chickens by inhibiting Smad2, affecting the expression of genes like DMRT1 and SOX9 in embryonic gonads. Additionally, JUN interacts with other proteins such as FOS to form dimers, enhancing its transcriptional activity. The expression patterns of JUN and other Fos/Jun family members vary across different tissues and developmental stages, highlighting its diverse roles in chicken biology. Studies on JUN's promoter region and transcriptional regulation provide insights into its mechanistic roles in cellular processes.

Protein	Chicken Transcription Factor Jun (JUN)
Protein Synonym	Proto-oncogene c-Jun; Transcription factor AP-1 subunit Jun
Gene ID	424673
UniProt ID	P18870

Shipping and Storage

This product is shipped with ice packs. Lyophilized protein can be stored at -20°C for 1 year. After reconstitution, the protein solution can be stored at 2-8°C for 2-7 days.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. Aliquot the reconstituted solution to minimize freeze-thaw cycles.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.