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Recombinant STAT5 Protein

Catalog Number	Size
AG1075-10	10ug
AG1075-25	25ug
AG1075-B	Bulk

Description

NA

The signal transducer and activator of transcription 5 (STAT5) was expressed in the baculovirus system and purified by the combination of Ni-affinity column and other conventional chromatographic methods. The resulted protein contains 822 amino acids with an Flag tag at the N-terminus and 8His tag at the C-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 105kDa.

MDYKDDDDKASRRASVMAGWIQAQQQLQGDALRQMQLVLYGQHFPIEVRH
YLAQWIESQPWDAIDLDNPQDRAQATQLLEGLVQELQKKAHQVGEDG
FLLKIKLGHYATQLQKTYDRCPLELVRCIRHILYNEQRLVREANNCS
PAGILVDAMSQKHLQINQTFEELRLVTQDTENELKKLQQTQYFYFIQY
QESLRIQAQFAQLAQLSPQERLSRETALQQKQVSLEAWLQREAAQTLLQ
YRVELAEKHQKTLQLLRKQQTIIIDDELIQWKRRQQLAGNGGPPEGSL
DVLQSWCEKLAELIWNQNRQQIRRAEHLCCQLPIPGPVEEMLAEVNATI
TDIISALVTSTFIIEKQPPQVLKTQTKFAATVRLLVGGKLNVMNPPQ
VKATIISEQQAKSLLKNENTRNECSGEILNNCCVMEYHQATGTLTSAHF
RNMSLKRIKRADRRGAESVTEEFKFTVLFESEQFSVGSNELVFQVKTLSL
PVVVIHGSQDHNATATVLWDNAFAEPGRVPFAVPDKVLWPQLCEALN
MKFKAQVQSNRGLTKENLVFLAQKLFNNSSSHLEDYSGLSVSWSQFNR
ENLPGWNYTFWQWFDGVMVLEKHHKPHWNDGAILGFVNKQQAHDLI
NKPDTGTFLLRFSDEIGGITIAWKFDSPERNLWNLKPFTRDFSIKSL
ADRLGDLSYLIYVFPDRPKDEVFSKYYPVLAKAVDGYVKPQIKQVVP
EFVNASADAGGSSATYMDQAPSPAVCPQAPYNYMPQNPDPHVLDDQDGEF
DLDETMDVARHVEELLRRPMDSLDSRLSPAGLFTSARGSLSGGLEHH
HHHHHH-

Accession Number

NM_003152

Molecular Mass

Approximately 105kDa.

Purity

≥90%, as determined by SDS-PAGE.

Biological Activity

The human signal transducer and activator of transcription 5 (STAT5) protein is a member of family of latent cytoplasmic transcription factors involved in cytokine, hormone, and growth factor signal transduction. The recombinant STAT5 protein can be used for the studies of transcription assays, protein-protein interactions and other related function assays.

Formulation

20mM Tris-Cl (pH7.9), 20% glycerol 100mM NaCl, 1mM DTT and 1mM EDTA.



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Storage

The protein sample can be stored under sterile conditions at 2-8°C for one month or at -20°C to -70°C for three months without detectable loss of activity. (***Avoid repeated freeze-thaw cycle***)

FOR RESEARCH USE ONLY!!!