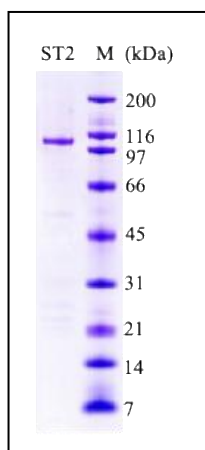


Recombinant STAT2 Protein

Catalog Number	Size
AG1074-10	10ug
AG1074-25	25ug
AG1074-B	Bulk

Description

The signal transducer and activator of transcription 2 (STAT2) was expressed in the baculovirus system and purified by the combination of Ni-affinity column and other conventional chromatographic methods. The resulted protein contains 863 amino acids with a 6His tag at the C-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 105kDa.



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MAQWEMLQNLDSPFQDQLHQLYSHSLLPVDIRQYLAVWIEDQNWQEAA
LGSDDSKATMLFFHFLDQLNYECGRCSQDPESLLLQHNLRKFCRDIQP
FSQDPTQLAEMIFNLLLEEKRILIIQAQRAQLEQGEPVLETPVESQQHE
IESRILDLRAMMEKLVKSISQLKDQQDVFCFRYKIQAKGKTPSLDPHQ
TKEQKILQETLNELDKRRKEVLDASKALLGRLTTLIELLLPKLEEWKA
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QDDPLTKGVDLRNAQVTELLQRLHLRAFFVETQPCMPQTPHRPLILKT
GSKFTVTRLLVRLQEGNESLTVEVSIDRNPPQLQGFRKFNIILTSNQK
TLTPEKGQSQGLIWDFGYLTLVEQRSGSGKGSNGKPLGVTEELHIIS
FTVKYTYQGLKQELKTDLTLPVVIISNMNQLSIAWASVLWFNLLSPNLQ
NQQFFSNPPKAPWSLLGPALSWQFSSYVGRGLNSDQLSMLRNKLFQGN
CRTEPLLSWADFTKRESPPGKLPFWTWLDKILELVHDHLKDLWNDGR
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IYSVQPYTKEVLQSLPLTEIIRHYQLLTeenIPENPLRFLYPRIPRDE
AFGCYYQEKVNLQERRKYLKHRLIVVSNRQVDELQQPLELKPEPELES
LELELGLVPEPELSLDLEPLLKAGLDLGPPELESVLESTLEPVIEPTLC
MVSQTVPEPDQGPVSQVPPEPDLPCLDRHLNTEPMEIFRNCVKIEEIM
PNGDPLLQAGQNTVDEVYVSRPSHFYTDGPIIMPDSFGGLEHHHHHHHH*

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Accession Number

NM_005419

Molecular Mass

Approximately 105kDa.

Purity

≥90%, as determined by SDS-PAGE.

Biological Activity

The human signal transducer and activator of transcription 2 (STAT2) protein is a member of family of latent cytoplasmic transcription factors involved in cytokine, hormone, and growth factor signal transduction. The recombinant STAT2 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.



www.ascentgene.com

Tel: 1-800-689-2270 or 301-476-0885

Email: info@ascentgene.com

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!!!