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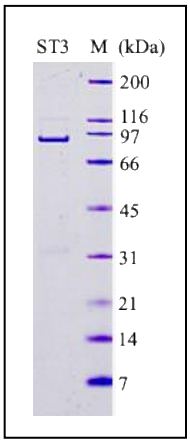
Recombinant STAT3 Protein

Catalog Number	Size
AG1071-10	10ug
AG1071-25	25ug
AG1071-B	Bulk

Description

The signal transducer and activator of transcription 3 (STAT3) was expressed in the E coli system and purified by the combination of Ni-affinity column and other conventional chromatographic methods. The resulted protein contains 784 amino acids with a 6His tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 90kDa.



MSYYHHHHHHEGVRTMAQWNQLQQLDTRYLEQLHQLYSDSFPMELRQFLA
PWIESQDWAYAASKESHATLVFHNLLGEIDQQYSRFLQESNVLYQHNLRR
IKQFLQSRYLEKPMEIARIVARCLWEESRLLQTAATAAQQGGQANHPTAA
VVTEKQQMLEQHLQDVRKRVQDLEQKMKVVENLQDDFDFNYKTLKSQGDM
QDLNGNNQSVTRQKMQQLEQMLTALDQMRRSIVSELAGLLSAMEYVQKTL
TDEELADWKRRQQIACIGGPPNICLDRLENWITSLAESQLQTRQQIKKLE
ELQQKVSYKGDPIVQHRPMLEERIVELFRNLMKSAFVVERQPCMPMHPDR
PLVIKTGVQFTTKVRLLVKFPELNYQLKIKVCIDKDSGDVAALRGSRKFN
ILGTNTKVMNMEESNNGSLSAEFKHLTLREQRCGNGGRANCDASLIVTEE
LHLITFETEVYHQGLKIDLETHSLPVVVISNICQMPNAWASILWYNMLTN
NPKNVNFFTKPPIGTWDQVAEVLSWQFSSTTKRGLSIEQLTTLAEKLLGP
GVNYSGCQITWAKFCKENMAGKGFSFWVWLDNIIDLVKKYILALWNEGYI
MGFISKERERAILSTKPPGTFLLRFSESSKEGGVTFTWVEKDISGKTQIQ
SVEPYTKQQLNNMSFAEIIMGYKIMDATNILVSPLVYLYPDIPKEEAFGK
YCRPESQEHPEADPGAAPYLKTKFICVTPTTCSNTIDLPMSPRTLDSLMQ
FGNNGEGAEPSAGGQFESLTFDMELTSECATSPM-

Accession Number NM_003150

Molecular Mass Approximately 90kDa.

Purity ≥90%, as determined by SDS-PAGE.

Biological Activity The human signal transducer and activator of transcription 3 (STAT3) protein is a member of family of latent cytoplasmic transcription factors involved in cytokine, hormone, and growth factor signal transduction. The recombinant STAT3 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!!!