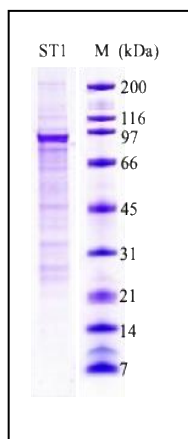


Recombinant STAT1 Protein

Catalog Number	Size
AG1072-10	10ug
AG1072-25	25ug
AG1072-B	Bulk

Description



The signal transducer and activator of transcription 1 (STAT1) was expressed in the baculovirus system and purified by the combination of Ni-affinity column and other conventional chromatographic methods. The resulted protein contains 765 amino acids with a 6His tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 90kDa.

MHHHHHHGRRASVLEMSQWYELQQLDSEKFLQVHQLYDDSFPMIEIRQY
LAQWLEKQDWEHAANDVSFATIRFHDLLSQDDQYSRFSLENNFLLQH
NIRKSKRNLDQNFQEDPIQMSMIYISCLKEERKILENAQRFNQAQSGN
IQSTVMLDKQKELDSKVRNVKDKVMCIEHEIKSLEDLQDEYDFKCKTL
QNREHETNGVAKSDQKQEQLLLKKMYLMLDNKRKEVVHKIIELLNVTE
LTQNALINDELVEWKRRQQSACIGGPPNACLDQLQNWFTIVAESLQQV
RQQLKKLEELEQKYTYEHDPIITKNKQVLWDRTFSLFQQLIQSSFVVER
QPCMPHPQRPLVLKTGVQFTVKLRLLVKLQELNYNLKVVLFDKDVN
ERNTVKGFRKFNLGTHTKVMNMEESTNGSLAAEFRHLQLKEQKNAGT
RTNEGPLIVTEELHLSLSEFTQLCQPLVIDLETTSLPVVVISNVSQLP
SGWASILWYNMLVAEPRNLSFFLTTPPCARWAQLSEVLWSQFSSVTKRG
LNVDQLNMLGEKLLGPNASPDGLIPWTRFCKENINDKNFPFWLWIESI
LELIKHHLLPLWNDGCIMGFISKERERALLKDQQPGTFLLRFSESSRE
GAITFTWVERSQNGGEPDFHAVEPYTKKELSAVTFPDIIRNYKVMAAE
NIPENPLKYLPNIDKDHAFGKYYSRPKEAPEPEMELDGPKGTGYIKTE
LISVSEVHPSRLQTTDNLPLMSPPEEFDEVSRIVGSVEFDSMMNTV-

Accession Number NM_007315

Molecular Mass Approximately 90kDa.

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

Biological Activity The human signal transducer and activator of transcription 1 (STAT1) protein is a member of family of latent cytoplasmic transcription factors involved in cytokine, hormone, and growth factor signal transduction. The recombinant STAT1 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***)

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