

Signal Transducer and Activator of Transcription 1 Human Recombi-

Item Number	rAP-1734
Synonyms	Signal transducer and activator of transcription 1-alpha/beta, Transcription factor ISGF-3 components p91/p84, STAT1, ISGF-3, STAT91, DKFZp686B04100.
Description	STAT1 Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 732 amino acids (1-712 a.a.) and having a molecular mass of 85.2 kDa. The STAT1 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.
Uniprot Accession Number	P42224
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MSQWYELQQL DSKFLEQVHQ LYDDSPMEI RQYLAQWLEK QDWEHAANDV SFATIRFHD LSQLDDQYSR FSLENNFLLQ HNIRKSKRNL QDNFQEDPIQ MSMIIYSCLK EERKILENAQ RFNQAQSGNI QSTVMLDKQK ELDSKVRNVK DKVMCIEHEI KSLEDLQDEY DFKCKTLQNR EHETNGVAKS DQKQEQLLLK KMYLMLDNKR KEVVHKIIE LNVTELTONA LIN- DELVEWK RRQQSACIGG PPNACLDQLQ NWFTIVAESL QQVRQQLKKL EELEQKYTYE HDPITKNKQV LWDRTFSLFQ QLIQSSFVVE RQPCMPHPQ RPLVLKTGVQ FTVKLRLLVK LQELNYNLKV KVLFDKDVNE RNTVKGFRKF NILGHTTKVM NMEESTNGSL AAEFRHLQLK EQKNAGTRTN EG- PLIVTEEL HSLSFETQLC QPGLVIDLET TSLPVVVISN VSQPLSGWAS ILWYNMLVAE PRNLSFFLTP
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles.
Formulation and Purity	STAT1 0.5mg/ml protein solution contains 20mM Tris-HCl buffer pH-8, 0.1M NaCl, 1mM DTT and 10% glycerol. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**