

## Recombinant STAT 3 Protein

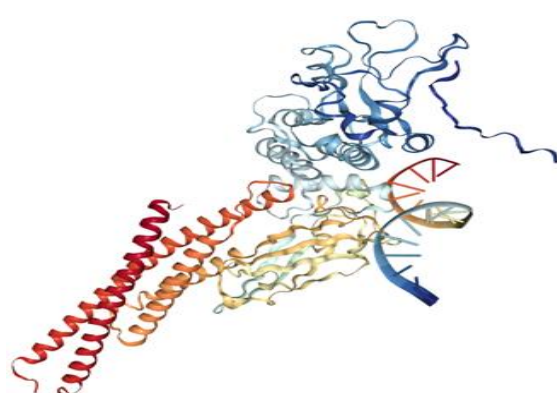
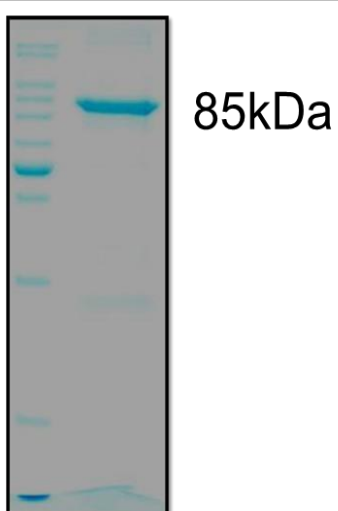
### Background

The Signal transducer and activator of transcription 3 (STAT 3), functions as a cytoplasmic mediator of cytokine signaling and nuclear transcription factor. STAT3 is considered as one of the most crucial member of the STAT family. STAT3 activation occurs via the phosphorylation of tyrosine residue (Y705) by JAK (Janus Kinase) and serine (S727) by MAPK and non-receptor tyrosine kinases. In particular STAT 3 activity is detected in a wide variety of tumors, driving multiple pro-oncogenic functions.

### Product Details

Full Product Name	Signal transducer and activator of transcription 3
Product Code	<b>RSTAT00185</b>
Molecular weight	82.4kDa
Research use only	For Research Use Only. Not for use in diagnostic procedures.
Sequence	MAQWNQLQQL DTRYLEQLHQ LYSDSFPMEL RQFLAPWIES QDWAYAASKE SHATLVFHNL LGEIDQQYSR FLQESNVLYQ HNLRRIKQFL QSRYLEKPME IARIVARCLW EESRLLQTAA TAAQQGGQAN HPTAAVVTEK QQMLEQHLQD VRKRVQDLEQ KMKVVENLQD DDFDFNYKTLK SQGDMQDLNG NNQSVTRQKM QQLEQMLTAL DQMRRSIVSE LAGLLSAMEY VQKTLTDEELADWKRRQQA CIGGPPNICL DRLENWITSL AESQLQTRQQ IKKLEELQQK VSYKGDPIVQ HRPMLEERIV ELFRNLMKSA FVVERQPCMP MHPDRPLVIK TGVQFTTKVR LLVKFPELNY QLKIKVCIDK DSGDVAALRG SRKFNILGTN TKVMNMEESN NGSLSAEFKH LTLREQRCGN GGRANCDASL IVTEELHLIT FETEYHQGL KIDLETHSLP VVISNICQM PNAWASILWY NMLTNNPKNV NFFTKPPIGT WDQVAEVLWS QFSSTTKRGL SIEQLTTLAE KLLGPGVNYS GCQITWAKFC KENMAGKGF5 FWVWLDNIID LVKKYILALW NEGYIMGFIS KERERAILST KPPGTFLLRP SESSKEGGVT FTWVEKDISG KTQIQSVEPY TKQQLNMSF AEIIMGYKIM DATNILVSPL VYLYPDIPKE EAFGKYCRPE SQEHPEADPG SAAPYLKTKF ICVTPT
Host	E.coli
Purity/ Purification	Greater than 98% purified by Ni NTA and determined by SDS-PAGE.
Form	Lyophilized powder. Dilute to 1 mg/mL in PBS.
Purification Tag	C- terminus 6 X His tag
Applications	Drug discovery, research, cell proliferation assays
Preparation and Storage	Store at -20 degree C, for extended storage
ISO Certification	Manufactured in an ISO 9001:20015 Certified Laboratory.

### SDS-PAGE Image of STAT 3



**Protein Crystal Image**  
*Homo Sapiens Signal Transducer and  
Activator of Transcription 3*

**Ordering Information:**  
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