

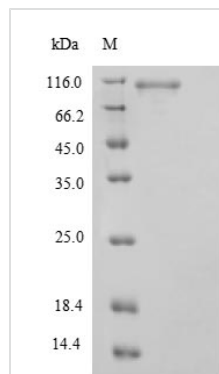


# Recombinant Human Signal transducer and activator of transcription 3 (STAT3)

<b>Product Code</b>	CSB-YP022812HU(A4)
<b>Relevance</b>	Signal transducer and transcription activator that mediates cellular responses to interleukins, KITLG/SCF and other growth factors. May mediate cellular responses to activated FGFR1, FGFR2, FGFR3 and FGFR4. Binds to the interleukin-6 (IL-6)-responsive elements identified in the promoters of various acute-phase protein genes. Activated by IL31 through IL31RA. Cytoplasmic domain STAT3 represses macroautophagy by inhibiting EIF2AK2/PKR activity. Plays an important role in host defense in methicillin-resistant S.aureus lung infection by regulating the expression of the antimicrobial lectin REG3G .
<b>Abbreviation</b>	Recombinant Human STAT3 protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P40763
<b>Alias</b>	Acute-phase response factor
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	MAQWNQLQQLDTRYLEQLHQLYSDSFPMELRQFLAPWIESQDWAYAASKES HATLVFHNLLGEIDQQYSRFLQESNVLYQHNLRRRIKQLQSRYLEKPMIARIV ARCLWEESRLLQTAATAAQGGGQANHPTAAVVTEKQQMLEQLQDVRKRVQ DLEQKMKVVENLQDDDFDFNYKTLKSQGDMQDLNGNNSVTRQKMQQLEQM LTALDQMRRSIVSELAGLLSAMEYVQKTLTDEELADWKRRQQIACIGGPPNICL DRLENWITSLAESQLQTRQQIKKLEELQQKVSYKGDPIVQHRPMLERIVELFR NLMKSAFVVERQPCMPMHPDRPLVIKTGVQFTTKVRLLVKFPELNYQLKIKVCI DKDSGDVAALRGSRKFNILGTNTKVMNMEESNNGSLSAEFKHLTLREQRCGN GGRANCDASLIVTEELHLITFETEVYHQGLKIDLETHSLPVVISNICQMPNAWA SILWYNMLTNNPKNVNFFTKPIGTWDQVAEVLWSWQFSSTTKRGLSIEQLTTLA EKLLGPGVNYSGCQITWAKFCKENMAGKGFSFWVWLDNIIDLVKKYILALWNE GYIMGFISKERERAILSTKPPGTFLRRFSESSKEGGVTFTWVEKDISGKTQIQSV EPYTKQQLNNMSFAEIIMGYKIMDATNILVSPLVLYPDIPKEEAFGKYCRPESQ EHPEADPGSAAPYLKTKFICVTPTTCSNTIDLPMSPRTLDSLMLQFGNNGEGAE PSAGGQFESLTFDMELTSECATSPM
<b>Research Area</b>	Immunology
<b>Source</b>	Yeast
<b>Target Names</b>	STAT3
<b>Expression Region</b>	1-770aa



<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	90.1kDa
<b>Protein Length</b>	Full Length

**Image**


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
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