

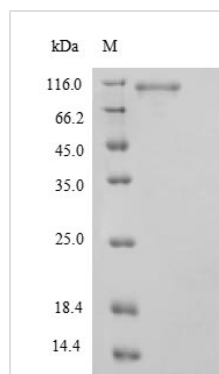


Recombinant Human Signal transducer and activator of transcription 3 (STAT3)

Product Code	CSB-YP022812HU(A4)
Relevance	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 .
Abbreviation	Recombinant Human STAT3 protein
Storage	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.
Uniprot No.	P40763
Alias	Acute-phase response factor
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	MAQWNQLQQLDTRYLEQLHQLYSDSFPMELRQFLAPWIESQDWAYAASKES HATLVFHNLLGEIDQQYSRFLQESNVLYQHNLRRKQFLQSRYLEKPMIARIV ARCLWEESRLLQTAATAAQGGQANHPTAAVVTEKQQMLEQHLQDVRKRVQ DLEQKMKVVENLQDDDFDFNYKTLKSQGDMQDLNGNNQSVTRQKMQQLEQM LTALDQMRRSIVSELAGLLSAMEYVQKTLTDEELADWKRRQQIACIGGPPNICL DRLENWITSLAESQLQTRQQIKKLEELQQKVS YKGDPIVQHRPMLERIVELFR NLMKSAFVVERQPCMPMHPDRPLVIKTGVQFTTKVRLLVKFPELNYQLKIKVCI DKDSGDVAALRGSRKFNILGTNTKVMNMEESNNGSLSAEFKHLTLREQRCGN GGRANCDASLIVTEELHLITFETEVYHQGLKIDLETHSLPVVISNICQMPNAWA SILWYNMLTNNPKNVNFFTKPPIGTWDQVAEVLWSWQFSSTTKRGLSIEQLTTLA EKLLGPGVNYSGCQITWAKFCKENMAGKGF SFWVWLDNIIDL VKKYILALWNE GYIMGFISKERERAILSTKPPGTFLRRFSESSKEGGVTFTWVEKDISGKTQIQSV EPYTKQQLNNMSFAEIIMGYKIMDATNILVSPLVLYLPDIPKEEAFGKYCRPESQ EHPEADPGSAAPYLKTKFICVTPPTCSNTIDLPMSPRTLDSLMLQFGNNGEGAE PSAGGQFESLTFDMELTSECATSPM
Research Area	Immunology
Source	Yeast
Target Names	STAT3
Expression Region	1-770aa



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

Image


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

Reconstitution	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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Shelf Life	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.
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