

Recombinant Human STAT6 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50935

Size: 10ug, 100ug

Protein Name: Signal transducer and activator of transcription 6 (IL-4 Stat)

Synonym: STAT6

UniProt ID: P42226

UniProt Link: www.uniprot.org/uniprotkb/P42226/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 847 AA

Molecular Weight: 94 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MSLWGLVSKMPPEKVQRLYVDFPQHRLRHLLGDWLESQPWEFLVGSDAFCCNLASALLSDTVQHLQ
ASVGEQGEGSTILQHISTLESYQRDPLKLVATFRQILQGEKKAVMEQFRHLPMPFHWKQEELKFKT
GLRRLQHRVGEIHLLREALQKGAEAGQVSLHSLIETPANGTGPSEALAMLLQETTGELEAAKALVLKR
IQIWKRQQQLAGNGAPFEESLAPLQERCESLVDIYSQLQQEVGAAGGELEPKTRASLTGRLDEVLR
LVTSCFLVEKQPPQVLKTQTKFQAGVRFLGLRFLGAPAKPPLVRADMVTEKQARELSVPQGPAG
AESTGEIINNTVPLENSIPGNCCSALFKNLLKKIKRCERKGTESVTEEKCAVLFSASFTLGPGKLPIQL
QALSLPLVVIVHGNQDNNAKATILWDNAFSEMDRVPFVVAERVPWEKMCETLNLKFMAEVGTNRGL
LPEHFLFLAQKIFNDNSLSMEAFQHRSVSWSQFNKEILLGRGFTFWQWFDGVLDTKRCLRSYWS
RLIIGFISKQYVTSLLLNEPDGTFLLRFSDSEIGGITIAHVIRGQDGSPQIENIQPFSAKDLSIRSLGDRIR
DLAQLKNLYPKPKDEAFRSHYKPEQMKGDKRGYVPATIKMTVERDQPLPTPELQMPTMVPSYDLG
MAPDSSMSMQLGPDMPVQVYPHSHSIPPYQGLSPEESVNVLSAFQEPHLQMPPSLGQMSLPFDQ
PHPQGILLPCQPQEHAVSSPDLLCSDVTMVEDSCLSQPVTAFPPQGTWIGEDIFPPLLPPTEQDLTKL
LLEGQGESGGGSLGAQPLLQPSHYGQSGISMHMDLRANPSW

3. Buffer Composition

Liquid format: PBS-based buffer containing 50% glycerol. Glycerol concentration can be customized upon customer request; please state special requirements when placing your order.

Lyophilized format: Buffer before lyophilization is PBS supplemented with 6% trehalose.

4. Storage Conditions

Upon receipt, store the product at -20 °C or -80 °C. Aliquot the product for on-demand use to preserve protein activity and prevent denaturation and inactivation caused by repeated freeze-thaw cycles.

5. Product Description

This product is recombinant Signal transducer and activator of transcription 6 (IL-4 Stat) produced using the HEK293T eukaryotic cell expression system. It is suitable for in-vitro functional assays, protein-protein interaction studies, antibody preparation and other biomedical research applications.

Protein Function: Carries out a dual signal transduction and activation of transcription. Involved in IL4/interleukin-4- and IL3/interleukin-3-mediated signaling.

Subcellular Localization: Cytoplasm. Nucleus . Note=Translocated into the nucleus in response to phosphorylation.

6. Notes

- Avoid repeated freeze-thaw cycles to maintain protein stability and biological activity.
- Please specify special buffer-composition requirements at the time of order placement.
- For research use only. Not intended for clinical diagnosis, therapeutic use or commercial manufacturing.