

Recombinant Human STAT1 Protein Product Manual

1. Product Basic Information

Product No.: REP08357

Protein Name: Transcription Factor Isgf-3 Components P91/P84 (STAT1)

Aliases: CANDF7; IMD31A; IMD31B; IMD31C; ISGF-STAT91; transcription factor ISGF-3 components p91/p84

UniProt ID: P42224

UniProt Link: <https://www.uniprot.org/uniprotkb/P42224/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (2-750aa)

Molecular Weight: 94.1 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (2-750aa)

SQWYELQQLDSKFLEQVHQLYDDSFPMERQYLAQWLEKQDWEHAANDVSFATIR
FHDLLSQLDDQYSRFSLENNFLLQHNIRKSKRNLQDNFQEDPIQMSMIIYSCLKEER
KILENAQRFNQAQSGNIQSTVMLDKQKELDSKVRNVKDKVMCIEHEIKSLEDLQDEY
DFKCKTLQNHETNGVAKSDQKQEQLLLKMYLMLDNKRKEVVHKIIELLNVTELT
QNALINDELVEWKRRQQSACIGGPPNACLQQLQNWFTIVAESLQQVRQQLKLEEL
EQKYTYEHDPITKNKQVLWDRFTSLFQQLIQSSFVVERQPCMPHPQRPLVLKTGV
QFTVKLRLLVKLQELNYNLKVKVLFDKDVNERNTVKGFRKFNILGHTKVMNMEEST
NGSLAAEFRHLQLKEQKNAGTRTNEGPLIVTEELHSLSFETQLCQPGLVIDLETSLP
VVVISNVSQLPSGWASILWYNMLVAEPRNLSFFLTPPCARWAQLSEVLSWQFSSVT
KRGLNVDQLNMLGEKLLGPNASPDGLIPWTRFCKENINDKNFPFWLWIESILELIK
HLLPLWNDGCIMGFISKERERALLKDQQPGTFLLRFSESSREGAITFTWVERSQNG
GEPDFHAVEPYTKKELSAVTFPDIIRNYKVMAAENIPENPLKYLYPNIDKDHAFGKYY
SRPKEAPEPEMELDGPKGTYIKTELISVSEVHPSRLQTTDNLLPMSPEEFDEVSRI
GSVEFDSMMNTV

3. Storage Buffer



Enlibio Wuhan Enlibio Biotech Co.,Ltd Manuals version5.9

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human STAT1 full length of mature protein protein (2-750aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. STAT1, also known as CANDF7 or IMD31A or IMD31B, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.