

Recombinant Human SRP54 Protein Product Manual

1. Product Basic Information

Product No.: REP08342

Protein Name: Srp54 Gtpase (SRP54)

Aliases: SRP54 GTPase; signal recognition particle 54; signal recognition particle 54kD; signal recognition particle 54kDa; signal recognition particle subunit SRP54; signal recognition particle 54 kDa protein

UniProt ID: P61011

UniProt Link: <https://www.uniprot.org/uniprotkb/P61011/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-504aa)

Molecular Weight: 69.7 kDa

Protein Tag: N-terminal 6xHis-B2M-tagged

2. Amino Acid Sequence (1-504aa)

MVLADLGRKITSALRSLSNATIINEEVLNAMLKEVCTALLEADVNIKLVKQLRENVKSA
IDLEEMASGLNKRKMIQHAVFKELVKLVDPGVKAWTPTKGKQNVIMFVGLQGSGKT
TTCSKLAYYYQRKGWKTCLICADTFRAGAFDQLKQNKATKARIPFYGSYTEM DPVIA
SEGVEKFKNENFEIIVDTSGRHKQEDSLFEEMLQVANAIQPDNIVYVMDASIGQACE
AQAKAFKDKVDVASVIVTKLDGHAKGGGALSAVAATKSPIIFIGTGEHIDDFEPFKTQ
PFISKLLGMGDIEGLIDKVNELKLDDNEALIEKCLKHGQFTLRDMYEQFQNMKMGPF
QILGMIPGFGTDFMSKGNEQESMARLKKLMTIMDSMNDQELDSTDGAKVFSKQPG
RIQRVARGSGVSTRDVQELLTQYTKFAQMVKKMGGIKGLFKGGDMSKNVSQSQM
AKLNQQMAKMMDPRLHMHMGGMAGLQSMRQFQQGAAGNMKGMGMGFNNM

3. Storage Buffer

Liquid Delivery Form: Tris-based buffer with 50% glycerol.

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 SRP54 full length protein (1-504aa) expressed in E.coli. The protein is with 6xHis-B2M tag at the N-terminus, which facilitates protein purification, detection and identification. SRP54, also known as SRP54 GTPase or signal recognition particle 54 or signal recognition particle 54kD, 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.