



Recombinant Human FAM114A2 Protein Product Manual

1. Product Basic Information

Product No.: REP06833

Protein Name: Protein Fam114A2 (FAM114A2)

Aliases: 133K02; C5orf3; protein FAM114A2; testis tissue sperm-binding protein Li 81P; family with sequence similarity 114 member A2

UniProt ID: Q9NRY5

UniProt Link: <https://www.uniprot.org/uniprotkb/Q9NRY5/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-505aa)

Molecular Weight: 71.5kDa

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

2. Amino Acid Sequence (1-505aa)

MSDKDDIETPLLTEAAPILEDGNCEPAKNSESVDQGAKPESKSEPVVSTRKRPETKP
SSDLETSKVLPIQDNVSKDVPQTRWGYWGSWGKSILSSASATVATVGQGISNVIEK
AETSLGIPGPSEISTEVKYVAGETNAKENENSSPVAGAFGVFSTISTAVQSTGKSVIS
GGLDALEFIGKKTMDVIAEGDPGFKRTKGLMNRNATLSQVLREAKEKEEIRTSNEVT
VETDKKTHYGLLFDEFQGLSHLEALEMLSQESEIKVKSILNSLSGEELETLEKVELEQL
KETFSLAEFCEEEEEEKKGDEDFTKDITELFSQLHVSSKPEKLARARNTAHEWIRKS
LTKPLAENEEGEKQSEAENTEQVNKNSIEDIHAFIRSLAELTACSIELFHKTAALVLH
GRKQEVTAIERSQTLTSMQMTIVLCKELSSLSKEFTTCLTTAGVKEMADVLNPLITAVFL
EASNSASYIQDAFQLLLPVLEISLIENKIESHRHELQGQKPLLEH

3. Storage Buffer

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 FAM114A2 full length protein (1-505aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. FAM114A2, also known as 133K02 or C5orf3 or protein FAM114A2, 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.