



Recombinant Human AKAP4 Protein Product Manual

1. Product Basic Information

Product No.: REP06096

Protein Name: Testis-Specific Gene Hi (AKAP4)

Aliases: HI; p82; CT99; FSC1; PRKA4; AKAP-AKAP82; AKAP 82; hAKAP82; testis-specific gene HI; cancer/testis antigen 99

UniProt ID: Q5JQC9

UniProt Link: <https://www.uniprot.org/uniprotkb/Q5JQC9/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (189-854aa)

Molecular Weight: 77.3kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (189-854aa)

QSPSAPPAKPPSTQRAVISPDGECSIDDL SFYVNRLSSLVIQMAHKEIKEKLEGKSK
CLHHSICPSPGNKERISPRTPASKIASEMAYEAVELTAAEMRGTGEESREGGQKSF
LYSELSNKS KSGDKQMSQRESKEFADSISKGLMVYANQVASDMMVSLMKT LKVHS
SGKPIPASVVLKR VLLRHTKEIVSDLIDSCMKNLHNITGVLM TDSDFVSAVKRNLFNQ
WKQNATDIMEAMLKRLVSALIGEEKETKSQSLSYASLKAGSHDPKCRNQSLEFSTM
KAEMKERDKGKMKSDPCKSLTSAEKVGEHILKEGLTIWNQKQGN SCKVATKACSN
KDEKGEKINASTDSLAKDLIVSALKLIQYHLTQQTKGKDTCEEDCPGSTMGYMAQST
QYEKCGGGQSAKALSVKQLESHRAPGPSTCQKENQHLD SQKMDMSNIVLMLIQKL
LNENPFKCEDPCEGENKCSEPRASKAASMSNRSDKAEEQCQEHQELDCTSGMKQ
ANGQFIDKLVESVMKLCLIMAKYSNDGAALAELEEQAASANKPNFRGTRCIHSGAM
PQNYQDSLGHVIVNNQCSTNSLQKQLQAVLQWIAASQFNVPMLYFMGDKDGQLE
KLPQVSAKAAEKGYSVGGLLQEV MKFAKERQPDEAVGKVARKQLLDWLLANL

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)

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 AKAP4 full length of mature protein protein (189-854aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. AKAP4, also known as HI or p82 or CT99, 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.