



Recombinant Human KIF5B Protein Product Manual

1. Product Basic Information

Product No.: REP07287

Protein Name: Kinesin Heavy Chain (KIF5B)

Aliases: KNS; KINH; KNS1; UKHC; HEL-S-61; kinesin heavy chain; kinesin 1 (110-120kD); kinesin-1 heavy chain; kinesin family member 5B; ubiquitous kinesin heavy chain; conventional kinesin heavy chain; epididym...

UniProt ID: P33176

UniProt Link: <https://www.uniprot.org/uniprotkb/P33176/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Partial (1-431aa)

Molecular Weight: 54.9 kDa

Protein Tag: N-terminal 10xHis-tagged

2. Amino Acid Sequence (1-431aa)

MADLAECNIKVMCRFRPLNESEVNRGDKYIAKFQGEDTVVIASKPYAFDRVFQSST
SSEQVYNDCAKKIVKDVLEGYNGTIFAYGQTSSGKTHTMEGKLHDPEGMGIIIPRIVQ
DIFNYIYSMDENLEFHIKVSFYFEIYLDKIRDLLDVSKTNLSVHEDKNRVPYVKGCTERF
VCSPDEVMDTIDEGKSNRHVAVTNMNEHSSRSHSIFLINVKQENTQTEQKLSGKLY
LVDLAGSEKVSKTGAEGAVLDEAKNINKSLSALGNVISALAEGSTYVPYRDSKMTRIL
QDSLGGNCRTTIVICCCSPSSYNESETKSTLLFGQRAKTIKNTVCVNVELTAEQWKKK
YEKEKEKNKILRNTIQWLENELNRWRNGETVPIDEQFDKEKANLEAFTVDKDITLTN
DKPATAIGVIGNFTDAERRKCEEEIAKLYKQ

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 KIF5B partial protein (1-431aa) expressed in E.coli. The protein is with 10xHis tag at the N-terminus, which facilitates protein purification, detection and identification. KIF5B, also known as KNS or KINH or KNS1, 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.