



Recombinant Human KLC1 Protein Product Manual

1. Product Basic Information

Product No.: REP07291

Protein Name: Kinesin 2 60/70Kda (KLC1)

Aliases: KLC; KNS2; KNS2A; kinesin 2 60/70kDa

UniProt ID: Q07866

UniProt Link: <https://www.uniprot.org/uniprotkb/Q07866/entry>

Species Source: Homo sapiens (Human)

Expression System: Yeast

Protein Length: Full Length (1-573)

Molecular Weight:

Protein Tag: Tag type will be determined during the manufacturing process. The tag type will be determined during production process. If you have specified tag type, please tell us and we will develop the specified tag preferentially.

2. Amino Acid Sequence (1-573)

MYDNMSTMVYIKEDKLEKLTQDEIISKTKQVIQGLEALKNEHNSILQSLLETCLKKKD
DESNLVEEKS NMIRKSLEMLELGLSEAQVMMALSNHLNAVESEKQKLRAQVRRLC
QENQWLRDELANTQQKLQKSEQSVAQLEEEKKHLEFMNQLKKYDDDISPSEDKDT
DSTKEPLDDLFPNDEDDPGQGIQQQHSSAAAAAQQGGYEIPARLRTLHNLVIQYAS
QGRYEVAVPLCKQALEDLEKTSGHDHPDVATMLNILALVYRDQNKYKDAANLLNDA
LAIREKTLGKDHPAVAATLNNLAVLYGKRGKYKEAEPLCKRALEIREKVLGKDHPDV
AKQLNNLALLCQNQGKYEEVEYYYQRALEIYQTKLGPDDPNVAKTKNNLASCYLKQ
GKFKQAETLYKEILTRAHEREFGSVDDENKPIWMHAEERECKGKQKDGTSFGEY
GGWYKACKVDSPTVTTTLKNL GALYRRQGKFEAAETLEEAAMRSRKQGLDNVHKQ
RVAEVLNDPENMEKRRSRESLNV DVVKYESGPDGGEEVSMSVEWNGGVSGRAS
FCGKRQQQWPGRHR

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 KLC1 full length protein (1-573) expressed in Yeast. KLC1, also known as KLC or KNS2 or KNS2A, 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.