

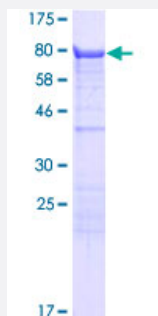
Full-Length

KLC3 (Human) Recombinant Protein (P01)

Catalog # H00147700-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human KLC3 full-length ORF (AAH73841.1, 1 a.a. - 503 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSVQVAAPGSAGLGPERLSPEELVRQTRQVVQGLEALRAEHHGLAGHLAEALAGQGPAAGLEM
LEEKQQVVSLSLEAIELGLGEAQVLLALSAHVGALEAEKQRLRSQARRLAQENVWLREELEETQ
RRLRASEESVAQLEEEKRHLEFLGQLRQYDPPAESQSESPRRDSLASFPEEEEEERKGPEAA
GAAAAQGGYEIPARLRTLHNLVIQYAGQGGRYEVAVPLCRQALEDLERSSGHCHPDVATMLNILAL
VYRDQNKYKEATDLLHDALQIREQTLGPEHPAVAATLNNLAVLYGKRGRYREAEPLCQRALEIREK
VLGADHPDVAKQLNNLALLCQNQGFEDVERHYARALSIYEALGGPHDPNVAKTNNLASAYLK
QNKYQQAEELYKEILHKEDLPAPLGAPNTGTAGDAEQALRRSSSLKIRESIIRRGSEKLVSRRLGE
AAAGAAGMKRAMSLNTLNVDAPRAPGTQFPSWHLDKAPRTLSASTQDLSPH

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

81.6

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — KLC3

Entrez GeneID[147700](#)**GeneBank Accession#**[BC073841.1](#)**Protein Accession#**[AAH73841.1](#)**Gene Name**

KLC3

Gene Alias

KLC2, KLC2L, KLCt, KNS2B

Gene Description

kinesin light chain 3

Omim ID[601334](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes a member of the kinesin light chain gene family. Kinesins are molecular motor s involved in the transport of cargo along microtubules, and are composed of two kinesin heavy chain (KHC) and two kinesin light chain (KLC) molecules. KLCs are thought to typically be involved in binding cargo and regulating kinesin activity. In the rat, a protein similar to this gene product is expressed in post-meiotic spermatids, where it associates with structural components of sperm tails and mitochondria. [provided by RefSeq]

Other Designations

KLC2-like|kinesin light chain 2-like

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)