

Recombinant Human KLC1 protein, GST-tagged

Cat. No. KLC1-5849H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human KLC1 protein(1-290 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-290 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	MYDNMSTMVYIKEDKLEKLTQDEIISKTKQVIQGLEALKNEHNSILQSLETCLKLKKD DESNLVEEKS NMIRKSLEMLELGLSEAQVMMALS NHLNAVESEKQKLRAQVRRLCQ ENQWLRDELANTQQK LQKSEQSVAQLEEEK KHLF MNQLK KYDDD ISPSEDKD TDS TKEPLDDLFPNDEDDPGG IQQQHSSAAAAAQGGYEIPARLRTLHNLVIQYASQG RYEVAVPLCKQALEDLEKTSGHDHPDVATMLNIALVYRDQNKYKDAANLLNDALAI REKTLG
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months,

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reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name

KLC1 kinesin light chain 1 [Homo sapiens]

Official Symbol

KLC1

Synonyms

KLC1; kinesin light chain 1; kinesin 2 , kinesin 2 60/70kDa , KNS2; hKLC1B; hKLC1G; hKLC1J; hKLC1N; hKLC1P; hKLC1R; hKLC1S; KLC; KNS2A; KLC 1; kinesin 2 60/70kDa; medulloblastoma antigen MU-MB-2.50; KNS2; MGC15245;

Gene ID

3831

mRNA Refseq

NM_001130107

Protein Refseq

NP_001123579

MIM

600025

UniProt ID

Q07866

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SDS-PAGE



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