

## KLC1 抗原（重组蛋白）

中文名称：KLC1 抗原（重组蛋白）

英文名称：KLC1 Antigen (Recombinant Protein)

别名：KLC; KNS2; KNS2A

储存：冷冻（-20℃）

相关类别：抗原

概述：

Fusion protein corresponding to N terminal 213 amino acids of human KLC1

技术规格：

<b>Full name:</b>	kinesin light chain 1
<b>Synonyms:</b>	KLC; KNS2; KNS2A
<b>Swissprot:</b>	Q07866
<b>Gene Accession:</b>	BC008881
<b>Purity:</b>	>85%, as determined by Coomassie blue stained SDS-PAGE
<b>Expression system:</b>	Escherichia coli
<b>Tags:</b>	His tag C-Terminus, GST tag N-Terminus
<b>Background:</b>	Conventional kinesin is a tetrameric molecule composed of two heavy chains and two light chains, and transports various cargos along microtubules toward their plus ends. The heavy chains provide the motor activity, while the light chains bind to various cargos. This gene encodes a member of the kinesin light chain family.

It associates with kinesin heavy chain through an N-terminal domain, and six tetratricopeptide repeat (TPR) motifs are thought to be involved in binding of cargos such as vesicles, mitochondria, and the Golgi complex. Thus, kinesin light chains function as adapter molecules and not motors per se. Although previously named "kinesin 2", this gene is not a member of the kinesin-2 / kinesin heavy chain subfamily of kinesin motor proteins. Extensive alternative splicing produces isoforms with different C-termini that are proposed to bind to different cargos; however, the full-length nature and/or biological validity of most of these variants have not been determined.