



# SZABO SCANDIC

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## Produktinformation



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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### LIMK2 (Human) Recombinant Protein (Q01)

**Catalog Number:** H00003985-Q01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human LIMK2 partial ORF ( NP\_005560, 152 a.a. - 252 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

LISMPATTEGRRGFSVSVESACSNYATTVQVKEVNRM  
HISPNNRNAIHPGDRILEINGTPVRTLRVEEVEDAISQT  
SQTLLQLLIEHDPVSQRDLQLRLEAR

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 36.85

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**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.

**Entrez GeneID:** 3985

**Gene Symbol:** LIMK2

**Gene Alias:** -

**Gene Summary:** There are approximately 40 known eukaryotic LIM proteins, so named for the LIM domains they contain. LIM domains are highly conserved cysteine-rich structures containing 2 zinc fingers. Although zinc fingers usually function by binding to DNA

or RNA, the LIM motif probably mediates protein-protein interactions. LIM kinase-1 and LIM kinase-2 belong to a small subfamily with a unique combination of 2 N-terminal LIM motifs and a C-terminal protein kinase domain. The protein encoded by this gene is phosphorylated and activated by ROCK, a downstream effector of Rho, and the encoded protein, in turn, phosphorylates cofilin, inhibiting its actin-depolymerizing activity. It is thought that this pathway contributes to Rho-induced reorganization of the actin cytoskeleton. At least three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]