

## CRKL Protein, Human

Cat. No.:	HY-P702048
Synonyms:	CRKL; Crk-like protein
Species:	Human
Source:	E. coli
Accession:	P46109 (M1-E303)
Gene ID:	1399
Molecular Weight:	Approximately 33.9 kDa

### PROPERTIES

Appearance	Solution
Formulation	Supplied as a 0.22 µm filtered solution of 50 mM HEPES, pH7.5, 200 mM NaCl, 20% glycerol, 1 mM DTT.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	Please use rapid thawing with running water to thaw the protein.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice

### DESCRIPTION

Background	<p>The CRKL protein is implicated in mediating the transduction of intracellular signals, indicating its role in cellular signaling pathways. It interacts with tyrosine-phosphorylated EPOR and INPP5D/SHIP1, suggesting its involvement in pathways associated with erythropoietin receptor signaling and phosphoinositide signaling. Additionally, CRKL interacts with DOCK2 and DOCK5 via its first SH3 domain, highlighting its potential role in modulating guanine nucleotide exchange factors. The protein further engages with phosphorylated CBLB and IRS4, indicating its participation in pathways related to cellular proliferation and insulin receptor signaling. Furthermore, CRKL interacts with BCAR1/CAS and NEDD9/HEF1, suggesting its involvement in signaling cascades associated with cell adhesion and migration. These diverse interactions underscore the versatility of CRKL in transmitting signals within the cell.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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