CRKL Protein
Full length recombinant protein expressed in insect cells

Catalog # C53-30H
Lot # N212-2

Product Description
Recombinant full length human CRKL was expressed by baculovirus in Sf9 insect cells using an N-terminal His tag. The gene accession number is NM_005207.

Gene Aliases
crk-like protein

Formulation
Recombinant protein stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.

Storage and Stability
Store product at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Scientific Background
CRKL or v-crk sarcoma virus CT10 oncogene homolog (avian)-like is a protein kinase containing SH2 and SH3 (src homology) domains that activate the RAS and JUN kinase signaling pathways and transform fibroblasts in a RAS-dependent fashion (1). It is a substrate of the BCR-ABL tyrosine kinase which plays a role in fibroblast transformation by BCR-ABL, and may be oncogenic (2). CRKL is also required for normal cellular responses to Fgf8, including survival and migration, Erk activation, and target gene expression.

References

Purity
The purity was determined to be >80% by densitometry. Approx. MW 39 kDa.

For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles. Product shipped on dry ice.