

## CARKL Protein, Human (sf9)

Cat. No.:	HY-P75602
Synonyms:	Sedoheptulokinase; SHK; Carbohydrate kinase-like protein; SHPK; CARKL
Species:	Human
Source:	Sf9 insect cells
Accession:	Q9UHH6 (A2-S478)
Gene ID:	23729
Molecular Weight:	Approximately 47 kDa

### PROPERTIES

Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filtered solution of 20 mM Tris, 500 mM NaCl, 3 mM DTT, 10% glycerol, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
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

CARKL Protein functions as a modulator of macrophage activation, exerting control over glucose metabolism. Its regulatory role in the intricate interplay of cellular processes underscores its significance in orchestrating the activation state of macrophages. By influencing glucose metabolism, CARKL likely plays a pivotal role in shaping the functional phenotype of macrophages, contributing to the broader understanding of the molecular mechanisms governing immune responses and cellular homeostasis.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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