CARKL Protein, Human (HEK293, His)

Cat. No.:	HY-P71308
Synonyms:	Sedoheptulokinase; SHK; Carbohydrate kinase-like protein; SHPK; CARKL
Species:	Human
Source:	HEK293
Accession:	Q9UHJ6 (M1-S478)
Gene ID:	23729
Molecular Weight:	Approximately 53.0 kDa

PROPERTIES

AA Sequence	MAARPITLGI DLGTTSVKAA LLRAAPDDPS GFAVLASCAR AARAEAAVES AVAGPQGREQ DVSRILQALH ECLAALPRPQ LRSVVGIGVS GQMHGVVFWK TGQGCEWTEG GITPVFEPRA VSHLVTWQDG RCSSEFLASL PQPKSHLSVA TGFGCATIFW LLKYRPEFLK SYDAAGTIHD YVVVAMLCGL PRPLMSDQNA A SWGYFNTQSQ SWNVETLRSS GFPVHLLPDI AEPGSVAGRT SHMWFEIPKG TQVGVALGDL QASVYSCMAQ RTDAVLNIST SVQLAASMPS GFQPAQTPDP TAPVAYFPYF NRTYLGVAAS LNGGNVLATF VHMLVQWMAD LGLEVEESTV YSRMIQAAVQ QRDTHLTITP TVLGERHLPD QLASVTRISS SDLSLGHVTR ALCRGIVQNL HSMLPIQQLQ EWGVERVMGS GSALSRNDVL KQEVQRAFPL PMSFGQDVDA AVGAALVMLR RHLNQKES
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 PB, 150 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	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.

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