

## Product datasheet for TP520816

### Dgkz (NM\_001166597) Mouse Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Purified recombinant protein of Mouse diacylglycerol kinase zeta (Dgkz), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

**Species:** Mouse

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >MR220816 representing NM\_001166597  
**Red**=Cloning site **Green**=Tags(s)

METFFRKHFQRKARGPGERQRRSSGVGLPTGKARRRSPAGQASSSLAQRSSAQLQGCFCPSCGVGTRGA  
SRRRSSTAPPTCNPRFMVDVPTLQPVTVGAQLLGAPELLLAGLTSMKEEEEEGVQEGNETAEATSDARP  
GTRTTPFSHQGTWPLLPMPRCLRRASSHLLPADVECGHTLWGLHGHYRRLSQRWPSGQHPGLGGRSPRAS  
GAAACPMIPARVRPLSRRRQVALRRKSAGPQPWSTLLMKAITKSLQLHLAPPPPTPGAPCGESEEQIQT  
VDWSESAVYGEHIWFETNVSGDFCYVGEQHCVAKMLPKSAPRKKCAACKIVHTQCIKQLEKINFRCKPS  
FRESGSRNVREPTFVRHHWHRRRQDGKCRHCGKGFQKFTFHSKEIVAISCSWCKQAYHSKVSCFMMQQ  
IEEPCSLGVHAAVPIPTWILRARRPQNTLKASKKKRASFKRRSSKKGPEEGRWRPFIRPTPSPLMKP  
LLVFNPKSGGNQGAIIQSFLWYLNPRQVFDLSQGGPREALEMYRKVHNLRLACGGDGTVGWILSTLD  
QLRLKPPPPVAILPLGTGNDLARTLNWGGGYTDEPVSILSHVEEENNVQLDRWDLRAEPNPEAGPEERD  
DGATDRLPLDVFNNYFSLGFDAHVTLFESREANPEKFNFRNKMFEYAGTAFSDFLMGSSKDLAKHIR  
VWCDGMDLTPKIQDLKPCIVFLNIPRYCAGTMPWGHPEHDFEPQRHDDGYLEVIGFTMTSLAALQVG  
GHERLTQCREVLLTTAKAIPVQVDGEPCKLSASRIRIALRNQATMVQKAKRRSTAPLHSDQQPVPEQLR  
IQVSRVSMHDYEALHYDKEQLKEASVPLGTVVVPGSDLELCRAHIERLQREPDGAGAKSPMCHQLSSKW  
CFLDATTASRFYRIDRAQEHLNRYVEIAQDEIYILDPELLGASARPDLPPTSPLPASPCSPTPGSMQGD  
TALPQGEELIEAAKRDCCCKLQELHRAGGDLMHRDQKSRTLLHHAIVSTGSKEVRYLLDHAPPEILDAVE  
ENGETCLHQAAALGQRTICHYIVEAGASLMKTDLQGDTPRQRAEKAQDTELAAYLENRQHYQMIQREDQE  
TAV

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-MYC/DDK

**Predicted MW:** 125.1 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining



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<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C after receiving vials.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001160069</a>
<b>Locus ID:</b>	104418
<b>UniProt ID:</b>	<a href="#">A2AHK0</a>
<b>RefSeq Size:</b>	4090
<b>Cytogenetics:</b>	2 E1
<b>RefSeq ORF:</b>	3369
<b>Synonyms:</b>	E130307B02Rik; ENSMUSG00000075035; F730209L11Rik; mDGK[z]
<b>Summary:</b>	Displays a strong preference for 1,2-diacylglycerols over 1,3-diacylglycerols, but lacks substrate specificity among molecular species of long chain diacylglycerols. Regulates RASGRP1 activity (By similarity). Positively regulates insulin-induced translocation of SLC2A4 to the cell membrane in adipocytes. Activates PIP5K1A activity via generation of phosphatidic acid (PubMed:27739494).[UniProtKB/Swiss-Prot Function]