

## Product datasheet for **TP320293**

### DGKA (NM\_201554) Human Recombinant Protein

#### Product data:

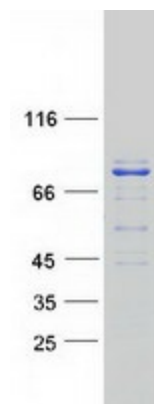
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human diacylglycerol kinase, alpha 80kDa (DGKA), transcript variant 4, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC220293 protein sequence
Clone or AA	Red=Cloning site Green=Tags(s)
Sequence:	<p>MAKERGLISPSDFAQLQKYMESTKKVSDVLKLFEDGEMAKYVQGDAGYEGFQQFLKIYLEVDNVPRHL  SLALFQSFTGHCLNETNVT KD VVCLNDVSCYFSLLEGGRPEDKLEFTFKLYDTRNGILDSSEVDKIIL  QMMRVAEYLDWDVSELRPILQEMMKEIDYDGS SVSQA EWVRAGATTVP LLVLLGLEMTLKDDGQHMWRP  KRFPRPVYCNLCESIGLGKQGLSCNLCKYTVHDQCAMKALPCEVSTYAKSRKDIGVQSHVWVRGGCESG  RCDRCQKKIRIYHSLTGLHCVWCHLEIHDDCLQAVGHECDCGLLRDHILPPSSIYPSVLASGPDRKNSKT  SQKTMDDLNLSTSEALRIDPVPNTHPLLVFVNPKSGGKQGQ RVLWKFQYILNPRQVFNLLKDGPEIGLRL  FKDVPDSRILVCGGDGT VGVWILETIDKANLPVLPVAVLPLGTGNDLARCLRWGGGYEQNLAKILKDLE  MSKVHMDRWSVEVIPQQTEESDPVPFQIINNYFSIGVDASIAHRFHIMREKYPEKFNSRMKNKLWYFE  FATSESI FSTCKKLEESLTVEICGKPLDLSNLSLEGIAVLNIPSMHGGSNLWGDTRRPHGDIYGINQALG  ATAKVITDPDILKTCVPDLSDKRLEVVGLEGA IEMGQIYTKLKNAGRRLAKCSEITFHTTKLPMQIDGE  PWMQTPCTIKITHKNQMPMLMGPPPRSTNFFGFLS</p> <p>TRTRPLEQLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	82.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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<b>Storage:</b>	Store at -80°C.
<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_963848</a>
<b>Locus ID:</b>	1606
<b>UniProt ID:</b>	<a href="#">P23743</a> , <a href="#">A0A024RB23</a>
<b>RefSeq Size:</b>	2669
<b>Cytogenetics:</b>	12q13.2
<b>RefSeq ORF:</b>	2205
<b>Synonyms:</b>	DAGK; DAGK1; DGK-alpha
<b>Summary:</b>	The protein encoded by this gene belongs to the eukaryotic diacylglycerol kinase family. It acts as a modulator that competes with protein kinase C for the second messenger diacylglycerol in intracellular signaling pathways. It also plays an important role in the resynthesis of phosphatidylinositols and phosphorylating diacylglycerol to phosphatidic acid. Several transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Apr 2017]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Glycerolipid metabolism, Glycerophospholipid metabolism, Metabolic pathways, Phosphatidylinositol signaling system

## Product images:



Coomassie blue staining of purified DGKA protein (Cat# TP320293). The protein was produced from HEK293T cells transfected with DGKA cDNA clone (Cat# [RC220293]) using MegaTran 2.0 (Cat# [TT210002]).