

Product datasheet for **TP323316**

JMJD7-PLA2G4B (NM_005090) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human JMJD7-PLA2G4B readthrough transcript (JMJD7-PLA2G4B), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC223316 representing NM_005090 Red =Cloning site Green =Tags(s)

MAEAALEAVRSELREFPAAARELCVPLAVPYLDKPPTPLHFYRDWVCPNRPICIRNALQHWPALQKWSLP
 YFRATVGSTEVSAVTPDGYADAVRGDRFMMPAERRLPLSFVLDVLEGRAQHPGVLYVQKQCSNLPSELP
 QLLPDLESHVPWASEALGKMPDAVNFWLGEAAAVTSLHKDHYENLYCVVSGEKHFLFHPSPDRPFIPYEL
 YTPATYQLTEEGTFKVVDEEAMEKAIEVSRTCLLTVRVLQAHRLPSKDLVTPSDCYVTWLPTACSHRLQT
 RTVKNSSSPVWNQSFHFRIHRQLKNVMELKVFDQDLVTGDDPVLSVLFDAAGTLRAGEFRRESFSLSPQGE
 GRLEVEFRLQSLADRGWLVSNGLVARELSCLHVVQLEETGDQKSSEHRVQLVVPGSCEGPQEASVGTGT
 FCFHCPACWEQELSIRLQDAPEEQLKAPLSALPSGQVVRLVFPTSQEPLMRVELKKEAGLRELAVRLGFG
 PCAEEQAFLSRRKQVVAALRQALQLDGDQLQEDEIPVVAIMATGGGIRAMTSLYGQLAGLKLGLLDCVS
 YITGASGSTWALANLYEDPEWSQKDLAGPTELLKTQVTKNKLGVLAPSQLQRYRQELAERARLGYPSCFT
 NLWALINEALLHDEPHDHKLSQREALSHGQNPLPIYCALNTKGQSLTTFEFGWCEFSPEYEVGFPHYGA
 FIPSELFGEFFMGQLMKRLPESRICFLEGIWSNLYAANLQDSLYWASEPSQFWDWRVRNQNALDKEQV
 P
 LLKIEPPSTAGRIAEFFTDLLTWRPLAQATHNFLRGLHFHKDYFQHPHFSTWKATTLDGLPNQLTPSEP
 HLCLLDVGYLINTSCLPLLQPTRDVLILSLDYNLHGAFQQLQLLGRFCQEQQIPFPPIPSPEEQQLQPR
 ECHTFSDPTCPGAPAVLHFPLVSDSFREYSAPGVRRTPEEAAAGEVNLSSSDSPYHYTKVTYSQEDVDKL
 LHLTHYNVCNNQEQLLEALRQAVQRRRQRRPH

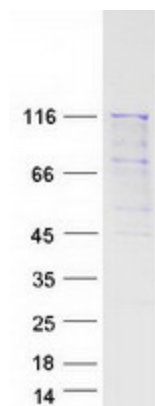
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	113.9 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


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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.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_005081</u>
Locus ID:	8681
UniProt ID:	<u>P0C869</u>
RefSeq Size:	3352
Cytogenetics:	15q15.1
RefSeq ORF:	3036
Synonyms:	cPLA2-beta; HsT16992
Summary:	This locus represents naturally-occurring readthrough transcription between the neighboring jumonji domain containing 7 (JMJD7) and phospholipase A2, group IVB (cytosolic) (PLA2G4B) genes. Readthrough transcripts encode fusion proteins that share amino acid sequence with each individual gene product, including a partial JmjC domain and downstream C2 and phospholipase A2 domains. Alternatively spliced transcript variants have been observed. [provided by RefSeq, Oct 2013]
Protein Pathways:	alpha-Linolenic acid metabolism, Arachidonic acid metabolism, Ether lipid metabolism, Fc epsilon RI signaling pathway, Glycerophospholipid metabolism, GnRH signaling pathway, Linoleic acid metabolism, Long-term depression, MAPK signaling pathway, Metabolic pathways, Vascular smooth muscle contraction, VEGF signaling pathway

Product images:



Coomassie blue staining of purified JMJD7-PLA2G4B protein (Cat# TP323316). The protein was produced from HEK293T cells transfected with JMJD7-PLA2G4B cDNA clone (Cat# [RC223316]) using MegaTran 2.0 (Cat# [TT210002]).