

Datasheet for ABIN7558285
ITPKC Protein (AA 1-678) (His tag)



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Overview

Quantity:	1 mg
Target:	ITPKC
Protein Characteristics:	AA 1-678
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ITPKC protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Itpkc Protein expressed in mammalian cells.
Sequence:	<p> MRRPCRCGSL SEAEAGALPA EARMGLEALR GGRRRQ PGLQ RPPGAGGPT GRPEGGGPRA WIESSLHSE AERTDLEPAP CPNGPQAESC GDGHAECEAA GLVASEKPR QNKELDGSNL QTHPRRNSPL VEMEMAGSWT DGFRTDLHRS DLQSRPKRAS LCTQPGFDES WTELDRSDMW QTLPERDNKP RVDNLRTHHG VSKLQTHPVC LSPRESSADNS GKELSADASR TPHDTDGFWI ESQTDDSLKG PSTQTACRQP GSDGFSSKDT ESALTQPGTD GLRDDSVLGE SNGNDPLDLS EPGELVTNLC SHLECSSLCP VPRLIITPET PEPEAQVGP QSRIEGGTGG FSSASSFDES EDDLVAGGGG TSDPEDRAGS KPWKKLKTVL KYSPFVVSFH KHYYPWWQLS GHAGNFQAGE DGRILKRFCQ CEQRSLELLM GDPLRPFVPA YYGMVQRDGQ AFNQMEDLLA DFEGPSIMDC KMGSRTYLEE ELVKARERPK PRKDMYEKMV AVDPGAPTPE EHAQGAITKP RYMQWRETLS STSTLGFRIE GIKKADGTCN TNFKKTQALE QVTKVLEDFV NGDLGILRKY VARLEDLRET LENSPFFKTH EVVGSSLLFV HDHTGLAKVW MIDFGKTVAL PDHQMLSHRL PWTEGNREDG YLWGLDNLIC LLQGLAQS </p> <p>Sequence without tag. The proposed Purification-Tag is based on</p>

experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	ITPKC
Alternative Name:	Itpkc (ITPKC Products)
Background:	Inositol-trisphosphate 3-kinase C (EC 2.7.1.127) (Inositol 1,4,5-trisphosphate 3-kinase C) (IP3 3-kinase C) (IP3K C) (InsP 3-kinase C),FUNCTION: Catalyzes the phosphorylation of 1D-myo-inositol 1,4,5-trisphosphate (InsP3) into 1D-myo-inositol 1,3,4,5-tetrakisphosphate and participates to the regulation of calcium homeostasis (By similarity). Can phosphorylate inositol 2,4,5-triphosphate to inositol 2,4,5,6-tetrphosphate (By similarity). {ECO:0000250 UniProtKB:Q80ZG2, ECO:0000250 UniProtKB:Q96DU7}.
Molecular Weight:	74.5 kDa
UniProt:	Q7TS72

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months