

Recombinant Human INPP5K Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. INPP5K-3725H Lot. No. (See product label)

SPECIFICATION

Product Overview

INPP5K MS Standard C13 and N15-labeled recombinant protein (NP_001129114) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

This gene encodes a protein with 5-phosphatase activity toward polyphosphate inositol. The protein localizes to the cytosol in regions lacking actin stress fibers. It is thought that this protein may negatively regulate the actin cytoskeleton. Alternatively spliced transcript variants encoding different isoforms have been identified.

Molecular Mass

51.1 kDa

AA Sequence

MSSRKLSGPKGRRLSIHVVTWNVASAAPPLDLSDLLQLNNRNLNLDIYVIGLQELNS
 GIISLLSDAAFNDWSWSSFLMDVLSPLSFIKVS HV RMQGILLLVFAKYQHLPYIQILSTKS
 TPTGLFGYWGNKGGVNICLKLYGYYVSIINCHLPPHISNNYQRLEHFDRILEMQNCE
 GRDIPNILDHDLIIWFGDMNFRIEDFGLHFVRESIKNRCYGGGLWEKDQLSIAKKHDP
 LLREFQEGRLLFPPTYKFDRNSNDYDTSEKKRKP AWTD RILWRLKRQPCAGPDTPIPP
 ASHFSLSLRGYSSHMTYGISDHKPVSGTFDLELKLPLVSAPLIVLMPEDLWTVENDMM
 VSYSSTSDFPSSPWDWIGLYKVGLRDVNDYVSYAWVGDSKVSCSDNLNQQVYIDISNI
 PTTEDEFLLCYYSNSLRSVVGISRPFQIPPGSLREDPLGEAQPQITRTRPLEQKLISEE
 DLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	INPP5K inositol polyphosphate-5-phosphatase K [Homo sapiens (human)]
Official Symbol	INPP5K
Synonyms	INPP5K; inositol polyphosphate-5-phosphatase K; inositol polyphosphate 5-phosphatase K; skeletal muscle and kidney enriched inositol phosphatase; SKIP; skeletal muscle and kidney-enriched inositol phosphatase; PPS;
Gene ID	51763
mRNA Refseq	NM_001135642
Protein Refseq	NP_001129114
MIM	607875
UniProt ID	Q9BT40

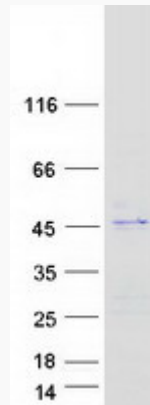
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SDS-PAGE



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