

Product datasheet for TP311134

INPP4B (NM_003866) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human inositol polyphosphate-4-phosphatase, type II, 105kDa (INPP4B), transcript variant 1, 20 µg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC211134 representing NM_003866
Red=Cloning site Green=Tags(s)

MEIKEEGASEEGQHFLPTAQANDPGDCQFTSIQKTPNEPQLEFILACKDLVAPVRDRKLNLTLVQISVIHP
 VEQSLTRYSSSTEIVGTRDPLFLTGVTFPSEYPIYEETKIKLTVYDVKDKSHDTRVTSVLPEHKDPPPEV
 GRSFLGYASFKVGELLKSKEQLLVLSLRTSDGGKVVGTIEVSVVKMGEIEDGEADHITTDVQGQKCALVC
 ECTAPESVSGKDNLPFLNSVLKNPVCKLYRFPTSDNKWMRIREQMSESILSFHIPKELISLHIKEDLCRN
 QEIKELGELSPHWDNLRKNVLTHCDQMVNMYQDILTELSKETGSSFKSSSSKGEKLEFVPINLHLQRMQ
 VHSPHLKDALYDVITVGAPAAHFQGFKNGLRKLHHRFETERRNTGYQFIYSPENTAKAKEVLSNINQL
 QPLIATHADLLLNSASQHSPLSKNSLKMSEKTELVHAFKDQLVRSALLALYTARPGGILKKPPSPKS
 STEESSPQDQPPVMRGQDSIPHSDYDEEEWDRVWVANVGKSLNCIAMVDKLIERDGGSEGGGNNNDGEK
 EPSLTD AIPSHPREDWYEQLYPLILTLKDCMGEVNVRAKQSLTFVLLQELAYSLPQCLMLTLRRDIVFSQ
 ALAGLVCGFIIKLQTSLYDPGFLQLHTVGLIVQYEGLLSTYSDEIGMLEDMAVGISDLKKVAFKIIKAK
 SNDVLPVITGRREHYVVEVKLPARMFESLPLQIKEGQLLHVYPVLFNVDGINEQQTLAERFGDVSLQESIN
 QENFELLQEYYKIFMEKMPPDYISHFQEQNLDKALLENLLQNIQSKRKNVEIMWLAATICRKLNGIRFT
 CCKSAKDRTSMSVTLEQCSILRDEHQLHKDFFIRALDCMRREGCRIENVLKNIKCRKYAFNMLQLMAFPK
 YYRPPEGTYGKADT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

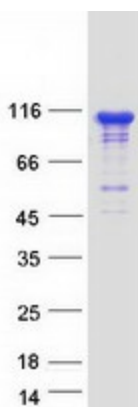
Tag: C-Myc/DDK
Predicted MW: 104.6 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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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: | NP_003857 |
| Locus ID: | 8821 |
| UniProt ID: | O15327 |
| RefSeq Size: | 2937 |
| Cytogenetics: | 4q31.21 |
| RefSeq ORF: | 2772 |
| Summary: | INPP4B encodes the inositol polyphosphate 4-phosphatase type II, one of the enzymes involved in phosphatidylinositol signaling pathways. This enzyme removes the phosphate group at position 4 of the inositol ring from inositol 3,4-bisphosphate. There is limited data to suggest that the human type II enzyme is subject to alternative splicing, as has been established for the type I enzyme. [provided by RefSeq, Jul 2008] |
| Protein Families: | Druggable Genome |
| Protein Pathways: | Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system |

Product images:



Coomassie blue staining of purified INPP4B protein (Cat# TP311134). The protein was produced from HEK293T cells transfected with INPP4B cDNA clone (Cat# [RC211134]) using MegaTran 2.0 (Cat# [TT210002]).