

## Product datasheet for TP311091L

### INPP5F (NM\_014937) Human Recombinant Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Recombinant protein of human inositol polyphosphate-5-phosphatase F (INPP5F), transcript variant 1, 1 mg |
| Species:                              | Human  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >RC211091 representing NM_014937<br>Red=Cloning site Green=Tags(s)                                       |

MELFQAKDHYILQQGERALWCSRRDGGGLQLRPATDLLLAWNPICLGLVEGVIGKIQLHSDLPWWLILIRQ  
KALVGKLPGDHEVCKVTKIAVLSLSEMEPQDLELELCKKHHFGINKPEKIIPSPDDSKFLLKTFTHIKSN  
VSAPNKKKVKESKEKEKLERRLLEELLKMFMDSESFYSLTYDLTNSVQRQSTGERDGRPLWQKVDDRFF  
WNKYMIQDLTEIGTPDVFWIIPMIQGFVQIEELVNYTESSDDEKSSPETPPQESTCVDDIHPRFLVAL  
ISRRSRHRAGMRYKRRGVDKNGNVANYVETEQLIHVHNHTLSFVQTRGSVPVFWVQVGYRYNPRRLDRS  
EKETVAYFCAHFEEQLNIYKKQVIINLVDQAGREKVGDAYLQVLLFNNSHLTYVSFDFHEHCRGMKFE  
NVQTLTDAIYDIILDMKWCWVDEAGVICKQEGIFRVNCCMDCLDRTNVQAAIARVMEQQLKKGVMMPPE  
QPLPVKCNRIYQIMWANNNGDSISRQYAGTAALKGDFTRTGERKLAGVMKDGVNSANRYLNRFKDAYRQA  
VIDLMQGIPVTEDLYSIFTKEKEHEALHKNQRSHQELISQLLQSYMKLLLPDDEKFHGGWALIDCDPSL  
IDATHRDVDVLLLLSNSAYYVAYDDDEVKVNQYQRSLLENLEKIEIGPEPTLFGKPKFSCMRHLHYRYKE  
ASGYFHTLRAVMRNPEEDGKDTLQCIAEMLQITKQAMGSDLPIIEKKLERKSSKPHEDIIGIRSQNQGS  
AQQKNFLMSKFSSLNQKVKQTKSNVIGNLRKLGNTKPEMKVNFLKPNLKVNLWKSDDSSLETMENTGVM  
DKVQAESDGDMSDNDVSYHSDEFNTSKSDEDRLANSLESVGPIDYVLPSCGIIASAPRLGSRSSLSLSS  
TDSSVHAPSEITVAHGSGLGKQESPLKKSAGDVHILTGFAKPMDIYCHRFVQDAQNKVTHLSETRSV  
SQQASQERNQMTNQVSDETQSESTEQTPSRPSQLDVLSATGPQFLSVEPAHSVASQKTPTSASSMLELE  
TGLHVTPSPSESSSRVSPFAKIRSSMVQVASITQAGLTHGINFAVSKVQKSPPEPEIINQVQVQNELKK  
MFIQCQTRIIQI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

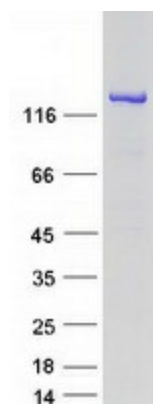
|                |   |
|----------------|---|
| Tag:           | C-Myc/DDK   |
| Predicted MW:  | 128.2 kDa   |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method          |
| Purity:        | > 80% as determined by SDS-PAGE and Coomassie blue staining |



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|                          |   |
|--------------------------|---|
| <b>Buffer:</b>           | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol  |
| <b>Preparation:</b>      | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.  |
| <b>Note:</b>             | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.  |
| <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_055752</a>   |
| <b>Locus ID:</b>         | 22876   |
| <b>UniProt ID:</b>       | <a href="#">Q9Y2H2</a>  |
| <b>RefSeq Size:</b>      | 4955  |
| <b>Cytogenetics:</b>     | 10q26.11  |
| <b>RefSeq ORF:</b>       | 3396  |
| <b>Synonyms:</b>         | hSAC2; MSTP007; MSTPO47; SAC2   |
| <b>Summary:</b>          | The protein encoded by this gene is an inositol 1,4,5-trisphosphate (InsP3) 5-phosphatase and contains a Sac domain. The activity of this protein is specific for phosphatidylinositol 4,5-bisphosphate and phosphatidylinositol 3,4,5-trisphosphate. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Aug 2011] |
| <b>Protein Families:</b> | Druggable Genome  |

### Product images:



Coomassie blue staining of purified INPP5F protein (Cat# [TP311091]). The protein was produced from HEK293T cells transfected with INPP5F cDNA clone (Cat# [RC211091]) using MegaTran 2.0 (Cat# [TT210002]).