

## Product datasheet for MR221075

### Ptpn13 (NM\_011204) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ptpn13 (NM_011204) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ptpn13
Synonyms:	A1324989; PTP-BL; PTPL1; Ptpri; RIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR221075 representing NM_011204 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCATGTGCTCACTGGCAGAAGCCCTGGAGGTTTCGGGGTGGACCTCTGCAGGAGGAGGAAATATGGGCTG  
TATTAATCAGAGTGCTGAAAGCCTGCAAGAAGTATTTAGAAGAGTGAGCATTGCTGACCCTGCTGCGCT  
GGGCTTCATCATCTCTCCATGGTCGCTGCTGTTGCTGCCATCGGGCAGTGTGTCTTTACGGATGAAAT  
GTCTCCAATCAGGACCTTAGAGCATTACCGCACCGGAGGTTCTCAGAGCCATTCTCTGACTTCTCTCG  
CAGATGTAGAGAAGATCCATATTTATTCTTTGGAATGACATTGTATTGGGGGGCTGACCATGAAGTACC  
TCAAAGCCAGCCCATCAAGCTGGGAGACCATCTTAATAGCATCCTGCTGGGCATGTGTGAGGATGTCATC  
TATGCTCGGGTGTTCGGTTTCGGACCGTCTGGATGCTTGCAGTGCCACATCAGGAACAGCAACTGCGCGC  
CTTCGTTTTCTATGTGAAACAGTTGGTAAAGCTGGTTCTGGGCAATATTTCTGGGACGGATCCACTTTC  
CCGTAGCAGTGAACAAAACTGACCGGAGCCAGGCCATTCGAGACCGACTGAGAGGAAAAGGATTGCC  
ACAGGAAGAAGCTCCACTTCAGACGCACTAGACACACAGAGGCTCCACTCTCTCAGCAGACCTTCTTA  
ACAAAGGGCTTAGTAAGTCTATGGGATTCTGTCCATCAGAGACACAGAGATGAGGAAGACTATCTCAA  
GGATACTCCATCTGATAATAATTCAGGCATGAAGATTCTGAGACTTTCTTTCCCTTACCAGTTCAA  
ACTAGTACTCCACAGATGGATGCACTCTCCAAGAAGAAGACATGGGCTTCCCTCCATGGACTGCTCTGTG  
CAGCTAACAGAGACATTTCTGGAGAGACGGCAGGTACCAACGCTGTGACCCTGAGACAGTGACAGGACG  
GACGTCCATCACTCCTAGAAAAAAGAAGGAAAGTACTCTGATGGAAGCATTGCCTTGGATATCTTTGGC  
CCTCAGAAGGTGGAGCCGGTGATCCACACCCGAGAACTGCCGACCTCCACCGCGGTATCAAGCGCTTTGG  
ACCGAATTCGAGAGAGACAAAAGAACTTCAGGTTCTGAGAGAAGCCATGAATGTAGAAGAGCCAGTTTCG  
AAGATACAAACTTACCACAGCGATATCTTTAGTATTTCCAGTGAAGCCCATCTGTTATTTCTCGGAA  
TCAGACTTCAGACAAGTAAGAAAAAGTGAAGCTTCCAAGAGGTTTGAATCCAGCAGTGGTCTTCCCGGAG  
TAGATGAAACTGGCCAGACACGACCAAGTAGACAATATGAAACATCCCTCGAAGGCAACTTGATCAATCA  
GGACATAATGCTAAGCGTCAAGAGGAAGAAATGATGCAGCTGCAAGCCAGGATGGCTCTCCGACAGTCG



[View online >](#)

CGGCTCAGCCTGTATCCAGGGGACACCGTCAAAGCTTCCATGCTCGACATCTCTAGAGACCCCTAAGGG  
 AAATGGCCCTGGAGACAGCCATGACCCAGAGGAAGCTCAGGAATTTCTTTGGACCTGAGTTTGTGAAGAT  
 GACGGTTGAGCCATTTGTATCTTTGGATTTGCCACGGTCTATCTCTCGCAGACCAAGAAGGGGAAGAGT  
 GAGGACCAGCGCGGAAAGTGAACATAAGGCTCCTGAGCGGGCAGCGGCTGGAGCTCACCTGCGACACCA  
 AGACCATCTGCAAGGATGTTCGACATGGTGGTGGCGCACATCGGCTTGGTGGAGCACCATTTGTTTGC  
 TCTCGCCACCCGCAAAGAGAATGAATATTTCTTTGTTGATCCTGACTTAAAATTAACCAAGTGGCCCCG  
 GAGGGGTGAAGGAAGAACCAGAGAAAGGGCAAGGCCGCCCTTGACTTACGTTGTTTTCCGAATTA  
 AATTTTTTCATGGATGATGTTAGTCTGATACAACATGACCTCACGTGCCATCAGTATTACCTTCAGCTGAG  
 GAAAGACCTTCTGGATGAGAGGGTGCACCTGTGACGACGAGGCCGCCCTGCTTCTTGCATCCTTGGCTCTC  
 CAGGCAGAGTATGGAGATTATCAGCCAGAGGTTTATGGCGTGTCTACTTTTCGCCTGGAACATTACCTGC  
 CCGCCAGGGTGTGGAGAAGCTGGAGCTGTCTACATTAAGAAGAGTTACCCAACTGCATAACACCTA  
 TGCAGGCGCTTCCGAGAAGGAGACAGAGCTAGAGTTCTTAAAGGCTGCCAAAGGCTGACAGAGTATGGA  
 GTTCACTTTACCAGGTTACACCTGAGAAGAAGTACAGACAGGGATACTGCTGGGGTCTGTTCCAAAG  
 GTGTGCTGGTCTTTGAGGTTACAATGGAGTCCGTGCCTTGGTCTTTCGCTTCCCGTGGAGGAAACAAA  
 AAAGATTTCTTTTCAAAGAAGAAAATCACATTACAGAACACGTGAGATGGAATCAAGCATGCGTTCCAG  
 ACGGACAGCAGCAAGGCATGCCAGTACCTGCTGCACCTGTGCTCCTCCAGCACAAGTTCCAATTGCAGA  
 TGAGGGCGCGGCAGCAACAGGATGCCAAGACATAGAGAGAGCTTCGTTTAGGAGCCTGAACCTGCA  
 AGCAGAGTCTGTTAGAGGATTTAATATGGGCCGCGCAATCAGCACGGGCAGTCTGGCCAGCAGCACCATC  
 AACAACTTGGCTCCGACCCCTGTCAAGTCTGAGATTCTGAAGAGGCTGTCCAGCTCAGAGTGGT  
 CGCTTTACCAGCCCTGCAGAACAGTTCAAAAGAGAAGACTGACAAAGCTTCTGGGAGGAAAAGCCTAG  
 AGGGATGAGCAATCGTATCAGATCTCAGTCAAGCCTCTCTGTCTCACCGGAAACAGGTCTTAAC  
 ATGGAGGCCCTCCACAAGCCTTTGCGGAGCTGGTGGGAAAACCTTGTACCCGATGGCAAGATCTGACA  
 CAGAGTCACTGGCAGGACTCCCAAAGCTTGATAATTCAAAGTCTGTTGCCAGTTTAAATGAAGAGCCCGA  
 AAGGAGGAACCATGAATCAGACTCATCCACTGAAGACCCTGGCCAAGCATATGTTGTAGGAATGAGTTG  
 CCTAGCTCTGAAAATCTTCATCCCAAGTCCCCTTTAAAGACAATGATACTGCACAAAAGATGGAGCA  
 TTGTTTCTGTCACCAGAAAAGGAGATCACACTGGTGAACCTGAAGAAAGATCCAAAACACGGCTTAGGATT  
 TCAAATATCGGTGGGAAAAAATGGGAAGACTGGATCTAGGAGTGTATCAGTGCAGTTACCCCTGGA  
 GGACCTGCTGACCTGGATGGATGCTTAAAGCCTGGAGACCGTTTGTATCTGTGAACAGTGTGAGTCTGG  
 AAGGGTCACTCACCACGCTGCAGTGGACATTCTGCAGAATGCACCTGAAGATGTGACACTTGTCTATCTC  
 CCAGCCAAAAGAAAACCGTCCAAAGTGCCTTCTACTCCTGTTTCAATTTTCCCAATGGGATGAAAAGTAC  
 ACAAAAGAAACCGCATACATGCAGGACAGTGTATGGACCATCAGAGGACCAGCCCTGGCCACGGGGTA  
 CTCTGAGGCACATCCAGAGAGTCCCTTCCGGGCTGTCTGGGGCCCTGCGGGAGGGAAGCCTCAGTCCCA  
 AGATTCAGGACTGAAAGTGCCAGCCTATCCAGAGCCAAGTCAACGGCTTCTTTGCCAGCCACTTAGGC  
 GACAGAGGCTGGCAGGAACCACAGCATAGCAGCCCATCGCCATCTGTGACAACCAAGGTCAACGAGAAGA  
 CCTTCTCCGACAGTAACCGAAGCAAGGCCAAGCGGCGAGGCATCTCCGATTTGATTGAACACCTCGACTG  
 TGCTGATTCGACAAAGACGATTCCACTTACACCAGCAGTCAAGACCATCAAACGTCAAACAGGAACCT  
 TCCTCCTCACTGAGTACATCGAACAACAGAGCTTTCAAACCTCGTCTGCGTCACCTCCTAAGCCCGGAG  
 ACACGTTTGAGGTTGAGCTGGCTAAAACATGATGGCAGCCTGGGGATAAGTGTACGGGAGGTGTGAATAC  
 CAGCGTCCGACATGGTGGTATTTATGTGAAAGCCATTATCCCAAAGGAGCGGCAGAGTCAAGTGGCAGA  
 ATTCACAAAGGTGATCGTGTGCTGGCTGTTAATGGAGTCACTGGAAGGAGCTACCCACAAGCAAGCTG  
 TGGAAACGTTAAGAAAACAGGGCAGGTGGTCCATCTGTTGTTAGAAAAGGGGCAGGTGCCAACATCTAG  
 GGAACGGGATCCTGCAGGCCACAGAGCCCCCTCCAGACCAAGACGCCCAAAGACAAGCCCCGAAAAAG  
 GTGGCGAAGCAAAACACCCATGTCAAAGACTACAGCTTTGTTACTGAAGATAATACATTTGAGGTCAAGC  
 TGTTTTAAAAATAGCTCAGGCCTTGGATTGAGTTTTTCTCGGGAAGATAATCTTATACCAGAACAAATAAA  
 TGGCAGCATAGTAAGGGTTAAAAAGCTTCCCTGGACAGCCGGCAGCAGAAAGTGGGAAAATCGATGTT  
 GGAGATGTTATATTGAAAGTTAACGGAGCCCCCTGAAGGGACTGTCTCAGCAGGACGTCTCTCTGCTC  
 TCAGGGAAACAGCTCCAGAAGTGTCTTGTCTTCTGTCAGACCCGGCACCTGGTGTCTACCAGAAATCGA  
 TACTACATTTTTGAACCCACTCTACTCTCCAGCAAACCTATTTCTAAACAGCAGTAAAGAGACTTCGCAG  
 CCATCATCCTCAGTAGAGCAGGGTGCCAGCTCGGACGACAATGGGGTGTCTGGCAAAACCAAGAACCATT  
 GCAGGGCTCCATCCAGGAGAGAGAGTTACAGCGACCACAGCGAGAGTGGAGAGGATGACTCCGTGAGAGC  
 ACCAGCCAAGATGCCAAATGTGACCCGAGTGGCAGCCTTCCACACGAAGCACCGAGAAGCCAGGAAGAG  
 TCCATATGTGCCATGTTTTACCTCCCTCGGAAAATACCCGAAAGCTGGAGTCCGAGAGCAGCCATCCTC

CTCCACTGGACGTGAGCCCTGGACAGACGTGCCAGCCCCGGCAGAGTGTGCTCCGTCTGACGCCACTGG  
CAAACACTTTACACATCTTGCCCTCTCAGCTGAGCAAAGAGGAAAAACATAACAACCTTGAAAAATGACTTG  
GGAAACCACCTTGAGGATTCTGAGCTGGAAGTAGAGCTTCTCATTACCCTGGTTAAATCAGAAAAAGGAA  
GTCTGGGCTTTACAGTAACCAAAGGCAGTCAGAGTATTGGTTGTTATGTCCATGATGTCATACAGGATCC  
AGCCAAAGGTGACGGAAGGCTAAAGGCTGGAGACCGGCTTATAAAGGTTAATGATACAGACGTTACAAC  
ATGACCCACACAGATGCAGTGAATCTGCTGCGAGCCGACCCAAAAACAGTCAGATTAGTTCTTGGCGGA  
TTCTGGGATTACCAGGATGCCAGTATTTCCCATCTGCTGCCGACATTACAGTCACATGCCACGGAGA  
GGAGTTAGGATTTCCCTGTCTGGAGGTCAAGGCAGTCCACATGGAGTGGTGTATATTAGTGATATCAAC  
CCAAGGTCAGCTGCAGCTGTTGACGGTAGTCTCCAGCTATTAGACATCATCCATTATGTGAACGGAGTCA  
GCACACAAGGAATGACCTTGGAAGATGCAACAGGGCATTGGACCTGTCACCTTCCTTCAGTGGTGTGAA  
AGTAACAAGAGACGGTTGTCCAGTGGTGCCTACAACAAGAGCTGCCATTTCTGCGCCAGGTTCCACAAA  
GCCAACGGCTAACCCAGCATGGAGCCTTCTGGACAGCCTGCACTCATGCCAAGAACTCCTTCTCCAAGG  
TTAACGGGAAGGAGTACATGAAGCTGTGTGCCCTGCAGGAGAAGGCTCGTCTTCTCAGTGAAGGAGTC  
AGCAGGCCTGACTGAAACCAAAGATCTAACTCCCGGGATGATGACATCTATGATGATCCTCAAGAAGCT  
GAAGTTATCCAGTCTTGTGGATGTTGTGGACGAGGAAGCACAGAACCTCTTAAACCAGAGGCATGCCA  
CCAGAAGAGCCTGTTCTCCAGATCCACTGAGGACGAATGGGGAGGCACCAGAAGAAGGAGATACCGACTA  
TGATGGTCTCCGCTACCTGAGGACGTCCTGAGTCAGTGAAGCAGCGGAGAAGGAAAAAGTAGACCTTGCA  
AGCTTAACTGCAGCATACAAGAAGAGAAGCCATCGAAGAGGACGCCACGCAGGAAAGCAGAAACTCGA  
CAACGGAGACAACAGACGGTGAAGATCCAGCAAAGATCCCCCTTTCTGACGAATGAGGAGCTGGCAGC  
CCTGCCGGTGGTCAAGTCCCTCCCTCTGGCAAGTACACGGGCACACAGCTGCAGGCCACCATCCGCAGC  
CTGCAGGGCTTGCTCGACCAAGGATCCCTTCTAAGGAGCTGGAGAACCTTCAAGAATTAACCTTTGG  
ATCAGTGTCTGATTGGACAGACAAGGAAAACCGCAGGAAGAACAGATACAAAAATATCCTTCCCTATGA  
CACCACAAGAGTGCCTCTTGGAGATGAAGGTGGATACATCAATGCCAGTTTCATCAGGATCCCGGTGGG  
ACCCAGGAATTCGTGTACATTGCCTGCCAGGGCCGTTGCCACCACTGTGGGGGATTTTTGGCAGATGG  
TTTGGGAGCAGAACTCCACGGTATAGCAATGATGACGCAGGAGGTGGAAGGAGAAAAGATCAAATGCCA  
GCGGTAAGCAAGCATCCTGGGCACAACCACCATGGCCAACGAGAGGCTGCGCCTGGCCCTCCTGAGG  
ATGCAGCAGCTGAAGGGCTTCATCGTGGGGTATGGCCCTGGAGGATTCAGACAGGGGAGGTGCGAC  
ATATTTCTCATCTGAATTTCACTGCCTGGCCAGACCACGATACACCGTCGCAGCCAGACGACCTGCTCAC  
ATTCATCTCTACATGAGACACATCCGTAGGTGGGCCAGTATCACACACTGCAGCGTGGCATTGGA  
CGCTCAGGAACCCTCATTTGCATAGACGTGGTCTAGGCTTAATCAGCCAGGATCTGGAATTCGACATCT  
CTGACCTAGTGGCTGCATGAGGCTTCCAGAGGCACGGCATGGTGCAGACCAGGGTCAGTATGTCTTCTG  
CTATCAAGTCATCTCTATGTCCTGACTCATCTCAGGCTGAAGAGCAGAAGGCACAGCCAGGGCTCCCA  
CAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTAA

**Protein Sequence:** >MR221075 representing NM\_011204  
 Red=Cloning site Green=Tags(s)

MHVSLAEALEVRGGPLQEEEEIWAFLNQSASLQEVFRRVSIADPAALGFIIISPWLLLLPSGSVSFTDEN  
 VSNQDLRAFTAPEVLQSHSLTSLADVEKIHIIYSLGMTLYWGADHEVPQSQPIKLDHNLNILLGMCEDVI  
 YARVSVRTVLDACSAHIRNSNCAPSFVYKQLVKLVLGNISGTDPLSRSSSEQPDRSQAIRDLRGLKGLP  
 TGRSSDSDALDTHEAPLSQQTFLNKGLSKSMGFLSIRDTRDEEDYLKDTSPDNNSRHEDSETFSSPYQFK  
 TSTPQMDALSKKKTWASSMDLLCAANRDISGETGRYQRCDPETVTGRTSITPRKKEGRYSOGSIALDIFG  
 PQKVEPVIHTRELPTSTAVSSALDRIRERQKQLVLEAMNVEEPVRRYKTYHSDIFSSISESPVISSE  
 SDFRQVRKSEASKRFESSGLPGVDETGTQTRPSRQYETSLEGNLINQDIMLRRQEEEMQLQARMALRQS  
 RLSLYPGDVKASMLDISRDPLREMALETAMTQRKLRNFFGPEFVKMTVEPFVSLDLPRSILSQTKKGKS  
 EDQRRKVNIRLLSGQRLELTCDTKTICKDVFDMVVAHIGLVEHHLFALATRKENEYFFVDPDLTKVAP  
 EGWKEEPKRKGAADVFTLFFRIKFFMDDVSLIQHDLTCHQYYLQLRKDLLDERVHCDDEAALLASLAL  
 QAEYGDYQPEVHGVSYFRLEHYLPARVMEKLDVSYIKEELPKLHNTYAGASEKETELEFLKVCQRLTEYG  
 VHFHRVHPEKKSQTGILLGVCSKGVLFVEVHNGVRALVLRFPWRETKKISFSSKKITLQNTSDGIKHAQ  
 TDSSKACQYLLHLCSSQHKFQLQMRARQSNQDAQDIERASFRSLNLQAEVSRGFNMGRAISTGSLASSTI  
 NKLAVRPLSVQAEILKRLSSSEWSLYQPLQNSKEKTDKASWEEKPRGMSKSYHDLSQLASLCPHRKQVIN  
 MEALPQAFELVGKPLYPMARSDTESLAGLPKLDNSKSVASLNRSPPERRNHESDSDSTEDPGQAYVVGMSL  
 PSSGKSSSQVFPKDNLDLHKRWSIVSSPEREITLVNLKKDPKHGLGFQIIGGKMGRLDLGVFISAVTPG  
 GPADLDGCLKPGDRLISVNSVSLLEGVSHAAVDILQNAPEDVTLVISQPKKPSKVPSTPVHFANGMKS  
 TKKPAYMQDSAMDPSDQWPRGTLRHIPESPFGLSGGLREGSLSSQDSRTESASLSQSQVNGFFASHLG  
 DRGQWQEPQHSSPSPSVTTKVNEKTFSDSNRSKAKRRGISDLIEHLDCADSDKDDSTYSSQDHTSKQEP  
 SSSLSTSNKTSFPTSSASPPKPGDTFEVELAKTDGSLGISVTGGVNTSVRHGGIYVKAIPKGAESDGR  
 IHKGDRLAVNGVSLLEGATHKQAVETLRNTGQVVHLLLEKQVPTSRERDPAGPQSPDDQDAQRQAEK  
 VAKQTPHVKDYSFVTEENTFEVKLFKNSSGLGFSFSREDNLIPEQINGSIVRVKLLFPGQPAAESGKIDV  
 GDVILKVNAPLKLGLSQQDVISALRGTAPEVSLLLCRPAPGVLPEDTTFNLPLYSFANFLNSSKETSQ  
 PSSSVEQGASSDDNGVSGKTKNHCRAVSRRESYSDHSESGEDDSVRAPAKMPNVTRVAAPHEAPRSQEE  
 SICAMFYLPKIPGKLESESHPPPLDVSPGQTCQPPAECAPSDATGKHFTHLASQLSKEENITTLKNDL  
 GNHLEDSELEVEILLITLVKSEKSLGFTVTKGSQSIGCYVHDVIQDPAKGDGRLKAGDRLIKVNDTDVTN  
 MTHTDVNLRAAPKTVRLVLGRILELPRMPVPHLLPDITVTCHGEELGFSLGGQGSPhGVVYISDIN  
 PRSAAAVDGSLLLDIIHYVNGVSTQGMTLEDANRALDLSLPSVVLKVTDRGCPVPTTRAAISAPRFTK  
 ANGLTSMPSGQPALMPKNSFSKVNREGVHEAVCPAGEGSSSQMKESAGLTETKESNSRDDDIIYDDPQEA  
 EVIQSLLDVVDEEAQNLLNQRHATRACSPDPLRTNGEAPEEGDTDYDGSPLPEDVPEVSSGEGKVDLA  
 SLTAASQEEKPIEEDATQESRNSTTETTDGEDSSKDPPFLTNEELAALPVVRVPPSGKYTGTLQATIRT  
 LQGLLDQGIKSKELNQLKPLDQCLIGQTKENRRKRYKNIPLPYDTTRVPLGDEGGYINASFIRIPVG  
 TQEFVYIACQGPLPTTVGDFWQMVWEQNSTVIAMMTQEVEGEKIKCQRYWPSILGTTTMANERLRLALLR  
 MQQLKGFIVRVMALEDIQTGEVRHISHLNFTAWPDHDTSPQDDLLTFISYMRHIRRSGPVITHCSAGIG  
 RSGTLICIDVVLGLISQDLEFDISDLVRCMRLQRHGMVQTEGQYVFCYQVILYVLTHLQAEQEKAQFGLP  
 Q

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9035\\_d12.zip](https://cdn.origene.com/chromatograms/mm9035_d12.zip)

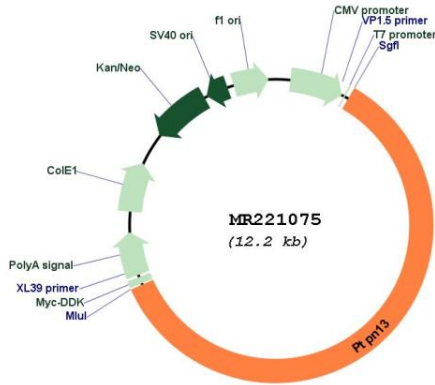
**Restriction Sites:** Sgfl-Mlul



**MW:** 270.7 kDa

**Gene Summary:** Tyrosine phosphatase which regulates negatively FAS-induced apoptosis and NGFR-mediated pro-apoptotic signaling. May regulate phosphoinositide 3-kinase (PI3K) signaling through dephosphorylation of PIK3R2.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR221075