



Recombinant Mouse Inositol polyphosphate 5-phosphatase K (Inpp5k)

| | |
|--------------------------|---|
| Product Code | CSB-EP805400MO-B |
| Abbreviation | Inpp5k |
| Storage | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. |
| Uniprot No. | Q8C5L6 |
| Product Type | Recombinant Protein |
| Immunogen Species | Mus musculus (Mouse) |
| Purity | >85% (SDS-PAGE) |
| Sequence | MQHGDRNTPG YREGIMSAVS LRRPSAPKGF ALSVHVVTWN VASAAPTVDL SDLLQLNNQD LNLDIYIIGL QEMNFGIISL LSDAAFEDPW SSLFMDMLSP LNFVKISQVR MQGLLLLVA KYQHLPYIQI ISTKSTPTGL YGYWGNKGGV NVCLKLYGYY VSIINCHLPP HMYNNDQRLE HFDRILESLT FEGYDVPNIL DHDLILWFGD MNFRIEDFGL LRVQESITRK YYKELWEKDQ LFIKKNDQL LREFQEGPLL FPPTYKFDRH SNNYDTSEKK RKPWTDRIL WRLKRQPSQA SPLASSVPTS YFLLTLKNYV SHMAYSISDH KPVTGTFDLE LNPLMSVPLI TMMPEHLWTM ENDMLISYTS TPEFLSSSWD WIGLYKVGMR HINDYVAYVW VGDNQVSYGN NPNQVYINIS AIPDTEQFL LCYYSNNLHS VVGISQPFKI PIRSFLREDT LYEPEPQI |
| Source | E.coli |
| Target Names | Inpp5k |
| Protein Names | Recommended name: Inositol polyphosphate 5-phosphatase K EC= 3.1.3.56 Alternative name(s): Skeletal muscle and kidney-enriched inositol phosphatase |
| Expression Region | 1-468 |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | Tag type will be determined during the manufacturing process. |
| Protein Length | full length protein |
| Target Details | 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. |
| Reconstitution | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final |



concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.