



Recombinant Rat 72 kDa inositol polyphosphate 5-phosphatase (Inpp5e)

Product Code	CSB-EP896268RA-B
Abbreviation	Inpp5e
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.	Q9WVR1
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	MPSKSACLRH TEAPGQLEGR MLQGQLSNPE KKLIPTSASL PAADSQSSQT NSMPPLSMPA KPSNQNLQAK ANLITPQPPI RPKLERTLSL DDKGWRRRRF RGSQEDLTVQ NGASPCRGSL QDSVAQSPAY SRPLPCLSTS LQEIPKPRRP QAAREGAHPC GVTVFLEMIS TSWTSCTERV PQVGH SRLAS LRATHTPPAM DLNIASSSLR TANKVDPEHT DYKLRMQNRL VRAHSNLGPS RPRSPLAGDD HSIHSARSSF SLLAPIRTKD IRSRSYLEGS LLASGALLGA DELARYFPDR NMALFVATWN MQGQKELPAS LDEFLLPTEA DYTQDLYVIG VQEGCSDRRE WETRLQETLG PQYVLLSSAA HGVLYMSLFI RRDLIWFCE VEYSTVTTRI VSQIKTKGAL GVSFTFFGTS FLFITSHFTS GDGKVAERLL DYNRTIQALA LPRNVPDTNP YRSSAGDVTT RFDEVFWFGD FNFRLSGGRV AVEAFLKQDP EVDVLALLQH DQLTREMKKG SIFKGFEEAE IHFLPSYKFD IGKDTYDSTS KQRTPSYTDR VLYKSRHKGD ICPMKYSSCP GIKTSDHRPV YGLFRVKVRP GRDNIPLAAG KFDRELYLIG IKRRISKEIQ RQEALKSQSS SAVCTVS
Source	E.coli
Target Names	Inpp5e
Protein Names	Recommended name: 72 kDa inositol polyphosphate 5-phosphatase EC= 3.1.3.36 Alternative name(s): 5-phosphatase that induces arborization Short name= Pharbin Phosphatidylinositol 4,5-bisphosphate 5-phosphatase Phosphatidylinosi
Expression Region	1-647
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 protein is an inositol 1,4,5-trisphosphate (InsP3) 5-phosphatase. InsP3 5-phosphatases hydrolyze Ins(1,4,5)P3, which mobilizes intracellular calcium and acts as a second messenger mediating cell responses to various stimulation.



Studies of the mouse counterpart suggest that this protein may hydrolyze phosphatidylinositol 3,4, 5-trisphosphate and phosphatidylinositol 3,5-bisphosphate on the cytoplasmic Golgi membrane and thereby regulate Golgi-vesicular trafficking.

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

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