



Recombinant Human Serine/threonine-protein kinase PAK 5 (PAK5)

| | |
|--------------------------|--|
| Product Code | CSB-MP885798HU(A4) |
| Abbreviation | PAK7 |
| 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. | Q9P286 |
| Product Type | Recombinant Protein |
| Immunogen Species | Homo sapiens (Human) |
| Purity | >85% (SDS-PAGE) |
| Sequence | MFGKKKKKIE ISGPSNFEHR VHTGFDPQEQ KFTGLPQQWH SLLADTANRP KPMVDPSCIT PIQLAPMKTI VRGNKPKET SINGLLEDFD NISVTRSNSL RKESPPTPDQ GASSHGPCHA EENGFITFSQ YSSESDTTAD YTTEKYREKS LYGDDLDPYY RGSAAKQNG HVMKMKHGEA YYSEVKPLKS DFARFSADYH SHLDSLKPS EYSDLKWEYQ RASSSSPLDY SFQFTPSRTA GTSGCSKESL AYSESEWGPS LDDYDRRPKS SYLNQTSPQP TMRQRSRSGS GLQEPMPFG ASAFKTHPQG HSYNSYTYPR LSEPTMCIPK VDYDRAQML SPPLSGSDTY PRGPAKLPQS QSKSGYSSSS HQYPSGYHKA TLYHHPSLQS SSQYISTASY LSSLSLSSST YPPPSWGSSS DQQPSRVSHE QFRAALQLVV SPGDPREYLA NFIKIGEGST GIVCIATEKH TGKQVAVKKM DLRKQQRREL LFNEVVIMRD YHHDNVVDMY SSVLVGDELW VMEFLEGGGA LTDIVTHTRM NEEQIATVCL SVLRALSYLH NQGVHRDIK SDSILLTSDG RIKLSDFGFC AQVSKEVPKR KSLVGTPYWM APEVISRLPY GTEVDIWSLG IMVIEMIDGE PPYFNEPPLQ AMRRIRDSPV PRVKDLHKVS SVLRGFLDLM LVREPSQRAT AQELLGHPFL KLAGPPSCIV PLMRQYRHH |
| Source | Mammalian cell |
| Target Names | PAK5 |
| Protein Names | Recommended name: Serine/threonine-protein kinase PAK 7 EC= 2.7.11.1 Alternative name(s): p21-activated kinase 5 Short name= PAK-5 p21-activated kinase 7 Short name= PAK-7 |
| Expression Region | 1-719 |
| 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 a member of the PAK family of Ser/Thr protein kinases. PAK family members are known to be effectors of Rac/Cdc42 GTPases, which have |



been implicated in the regulation of cytoskeletal dynamics, proliferation, and cell survival signaling. This kinase contains a CDC42/Rac1 interactive binding (CRIB) motif, and has been shown to bind CDC42 in the presence of GTP. This kinase is predominantly expressed in brain. It is capable of promoting neurite outgrowth, and thus may play a role in neurite development. This kinase is associated with microtubule networks and induces microtubule stabilization. The subcellular localization of this kinase is tightly regulated during cell cycle progression. Alternatively spliced transcript variants encoding the same protein have been described.

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.