



# Recombinant Human Kv channel-interacting protein 4 (KCNIP4)

<b>Product Code</b>	CSB-BP750882HU
<b>Abbreviation</b>	KCNIP4
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q6PIL6
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MNVERRVESIS AQLLEEASSTG GFLYAQNSTK RSIKERLMKL LPCSAAKTSS PAIQNSVEDE LEMATVRHRP EALELLEAQS KFTKKELQIL YRGFKNECPS GVVNEETFKE IYSQFFPQGD STTYAHFLFN AFDTDHNGAV SFEDFIKGLS ILLRGTVQEK LNWAFNLYDI NKDGYITKEE MLDIMKAIYD MMGKCTYPVL KEDAPRQHVE TFFQKMDKNK DGVVTIDEFI ESCQKDENIM RSMQLFENVI
<b>Source</b>	Baculovirus
<b>Target Names</b>	KCNIP4
<b>Protein Names</b>	Recommended name: Kv channel-interacting protein 4 Short name= KChIP4 Alternative name(s): A-type potassium channel modulatory protein 4 Calsenilin-like protein Potassium channel-interacting protein 4
<b>Expression Region</b>	1-250
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	This gene encodes a member of the family of voltage-gated potassium (Kv) channel-interacting proteins (KCNIPs), which belong to the recoverin branch of the EF-hand superfamily. Members of the KCNIP family are small calcium binding proteins. They all have EF-hand-like domains, and differ from each other in the N-terminus. They are integral subunit components of native Kv4 channel complexes. They may regulate A-type currents, and hence neuronal excitability, in response to changes in intracellular calcium. This protein member also interacts with presenilin. Multiple alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene.
<b>Reconstitution</b>	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.

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**Shelf Life**

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