Recombinant Human Cdc42 effector protein 2 (CDC42EP2)

Product Code	CSB-EP005013HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O14613
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	STKVPIYLK RGSRKGKKEK LRDLLSSDMI SPPLGDFRHT IHIGSGGGSD MFGDISFLQG KFHLLPGTMV EGPEEDGTFD LPFQFTRTAT VCGRELPDGP SPLLKNAISL PVIGGPQALT LPTAQAPPKP PRLHLETPQP SPQEGGSVDI WRIPETGSPN SGLTPESGAE EPFLSNASSL LSLHVDLGPS ILDDVLQIMD QDLDSMQIPT
Source	E.coli
Target Names	CDC42EP2
Protein Names	Recommended name: Cdc42 effector protein 2 Alternative name(s): Binder of Rho GTPases 1
Expression Region	2-210
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 of Mature Protein
Target Details	CDC42, a small Rho GTPase, regulates the formation of F-actin-containing structures through its interaction with the downstream effector proteins. This protein is a member of the Borg family of CDC42 effector proteins. Borg family proteins contain a CRIB (Cdc42/Rac interactive-binding) domain. They bind to, and negatively regulate the function of, CDC42. Coexpression of this protein with dominant negative mutant CDC42 protein in fibroblast was found to induce pseudopodia formation, which suggested a role of this protein in actin filament assembly and cell shape control.
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.