



Recombinant Human FYVE, RhoGEF and PH domain-containing protein 1 (FGD1), partial

Product Code	CSB-EP008609HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P98174
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Source	E.coli
Target Names	FGD1
Protein Names	Recommended name: FYVE, RhoGEF and PH domain-containing protein 1 Alternative name(s): Faciogenital dysplasia 1 protein Rho/Rac guanine nucleotide exchange factor FGD1 Short name= Rho/Rac GEF Zinc finger FYVE domain-containing prote
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	Partial
Target Details	FGD1 contains Dbl (DH) and pleckstrin (PH) homology domains. It can bind specifically to the Rho family GTPase Cdc42Hs and stimulate the GDP-GTP exchange of the isoprenylated form of Cdc42Hs. It also stimulates the mitogen activated protein kinase cascade leading to c-Jun kinase SAPK/JNK1 activation. FGD1 has an essential role in embryonic development, and FGD1 gene mutations result in the human developmental disorder, Aarskog-Scott syndrome.
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.