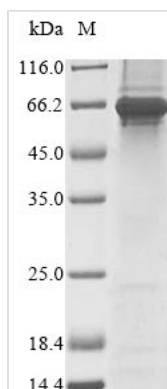




Recombinant Mouse Extracellular serine/threonine protein kinase FAM20C (Fam20c)

| | |
|--------------------------|--|
| Product Code | CSB-BP702804MO |
| Abbreviation | Recombinant Mouse Fam20c protein |
| 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. | Q5MJS3 |
| Product Type | Recombinant Protein |
| Immunogen Species | Mus musculus (Mouse) |
| Purity | Greater than 85% as determined by SDS-PAGE. |
| Sequence | DFSSDPASNLTSLSLEKLPSAAEPVDHAPRGQEPRSPPPRDPAPHRPLLRLDPG PRPRVPPPGPSGDGSLAKLFEHPLYQGAVPPLTEDDVLFNVNSDIRFNPKAA ENPDWPHEGAEGAEFLPTGEAAVNLYPNWLKFHIGINRYELYSRHNPAIDALL RDLGSQKITSVAMKSGGTQLKLIMTFQNYGQALFKPMKQTREQETPPDFFYFS DYERHNAEIAAFHLDRILDFRRVPPVAGRMINMTKEIRDVTRDKKLWRTFFVSP ANNICFYGECSYYCSTEHALCGRPDQIEGSLAAFLPDLSLAKRKTWRNPWRR SYHKRKKAEWEVDPDYCEEVKQTPPYDSGHRILDIMDMTVFDLGMNMDRH HYETFEKFGNETFIIHLDNGRGFGKYSHDELSILAPLHQCCRIRRSTYLRLQLLA KEEHKLSLLMAESLQHDKVAPVLYQLHLEALDRRLRIVLQAVRDCVEKDGLSS VVEDDLATEHRASTER |
| Research Area | Others |
| Source | Baculovirus |
| Target Names | Fam20c |
| Protein Names | Recommended name: Dentin matrix protein 4 Short name= DMP-4Alternative name(s): Protein FAM20C |
| Expression Region | 88-579aa |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | N-terminal 10xHis-tagged and C-terminal Myc-tagged |
| Mol. Weight | 60.4 kDa |
| Protein Length | Full Length of Mature Protein |
| Image | |



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

The recombinant Mouse Fam20c was expressed with the amino acid range of 88-579. This Fam20c protein is expected to have a theoretical molecular weight of 60.4 kDa. This Fam20c protein is produced using baculovirus expression system. The N-terminal 10xHis tag and C-terminal Myc tag was fused into the coding gene segment of Fam20c, making it easier to detect and purify the Fam20c recombinant protein in the later stages of expression and purification.

Fam20c (Extracellular serine/threonine protein kinase FAM20C) is a protein of significant interest. Researchers are eager to explore its crucial role in bone and tooth development, especially its regulatory mechanisms in mineralization processes and enamel formation. Additionally, Fam20c plays an important role in cell signaling and phosphorylation modification, prompting scientists to contemplate its potential impact on diseases such as skeletal deformities and abnormal tooth formation. These studies strive to unveil the molecular mechanisms of Fam20c, providing new theoretical foundations for the future treatment and prevention of bone and tooth-related disorders.

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.