



Recombinant Human Myosin light chain 4 (MYL4)

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| Product Code | CSB-EP015311HU-B |
| Storage | Store at -20°C, for extended storage, conserve at -20°C or -80°C. |
| Uniprot No. | P12829 |
| Product Type | Recombinant Protein |
| Immunogen Species | Homo sapiens (Human) |
| Purity | ≥85% (SDS-PAGE) |
| Sequence | MAPKKPEPKK EAAKPAPAPA PAPAPAPAPA PEAPKEPAFD PKSVKIDFTA DQIEEFKEAF SLFDRTPTGE MKITYGQCGD VLRALGQNPT NAEVLRVLGK PKPEEMNVKM LDFETFLPIL QHISRNKEQG TYEDFVEGLR VFDKESNGTV MGAELRHVLA TLGEKMTEAE VEQLLAGQED ANGCINYEAF VKHIMSG |
| Source | E.coli |
| Target Names | MYL4 |
| Protein Names | Recommended name: Myosin light chain 4 Alternative name(s): Myosin light chain 1, embryonic muscle/atrial isoform Myosin light chain alkali GT-1 isoform |
| Expression Region | 1-197 |
| 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 | Myosin is a hexameric ATPase cellular motor protein. It is composed of two myosin heavy chains, two nonphosphorylatable myosin alkali light chains, and two phosphorylatable myosin regulatory light chains. This gene encodes a myosin alkali light chain that is found in embryonic muscle and adult atria. Two alternatively spliced transcript variants encoding the same protein have been found for this gene. |
| 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. |