

Recombinant Homo sapiens Myosin-binding protein C, fast-type



Catalog No: #AP73044

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Package Size: #AP73044-1 20ug #AP73044-2 100ug #AP73044-3 1mg

Description

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| Product Name | Recombinant Homo sapiens Myosin-binding protein C, fast-type |
| Brief Description | Recombinant Protein |
| Host Species | Yeast |
| Purification | Greater than 90% as determined by SDS-PAGE. |
| Immunogen Description | Expression Region:739-1141aaSequence Info:Partial |
| Other Names | C-protein, skeletal muscle fast isoform |
| Accession No. | Q14324 |
| Uniprot | Q14324 |
| GeneID | 4606; |
| Calculated MW | 47.5 kDa |
| Tag Info | N-terminal 6xHis-tagged |
| Target Sequence | EPLHLIVEDVTDTTTTLKWRPPNRIGAGGIDGYLVEYCLEGSEEWVPANTEPVERCGFTVKNLPTGARILFRVV GVNIAGRSEPATLAQPVTIREIAEPPKIRLPRHLRQTYIRKVGQNLNLVVPFQGKPRPQVWWTKGAPLDTSRV HVRTSDFDTVFFVRQAARSDSGEYELSVQIENMKDTATIRIRVVEKAGPPINVMVKEVWGTNALVEWQAPKDD GNSEIMGYFVQKADKKTMEWFNVYERNRHTSCTVSDLIVGNEYFRVYTENICGLSDSPGVSKNTRILKTGIT FKPFYKEHDFRMAPKFLTPLIDRVVAGYSAALNCAVRGHPKPKVWVMKNKMEIREDPKFLITNYQGVLTLNI RRPSPFDAGTYTCRAVNELGEALAECKLEVRVPQ |
| Formulation | Tris-based buffer50% glycerol |
| 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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |

Background

Thick filament-associated protein located in the crossbridge region of vertebrate striated muscle a bands. In vitro it binds MHC, F-actin and native thin filaments, and modifies the activity of actin-activated myosin ATPase. It may modulate muscle contraction or may play a more structural role.

References

The DNA sequence and biology of human chromosome 19.Grimwood J., Gordon L.A., Olsen A.S., Terry A., Schmutz J., Lamerdin J.E., Hellsten U., Goodstein D., Couronne O., Tran-Gyamfi M., Aerts A., Altherr M., Ashworth L., Bajorek E., Black S., Branscomb E., Caenepeel S., Carrano A.V. , Caoile C., Chan Y.M., Christensen M., Cleland C.A., Copeland A., Dalin E., Dehal P., Denys M., Detter J.C., Escobar J., Flowers D., Fotopulos D., Garcia C., Georgescu A.M., Glavina T., Gomez M., Gonzales E., Groza M., Hammon N., Hawkins T., Haydu L., Ho I., Huang W., Israni S., Jett J., Kadner K., Kimball H., Kobayashi A., Larionov V., Leem S.-H., Lopez F., Lou Y., Lowry S., Malfatti S., Martinez D., McCready P.M., Medina C., Morgan J., Nelson K., Nolan M., Ovcharenko I., Pitluck S., Pollard M., Popkie A.P., Predki P., Quan G., Ramirez L., Rash S., Retterer J., Rodriguez A., Rogers S., Salamov A., Salazar A., She X., Smith D., Slezak T., Solovyev V., Thayer N., Tice H., Tsai M., Ustaszewska A., Vo N., Wagner M.,

Note: This product is for in vitro research use only