

Recombinant Human Calponin-3(CNN3),partial

Catalog No: #AP70177

Package Size: #AP70177-1 20ug #AP70177-2 100ug #AP70177-3 1mg

Description

Product Name	Recombinant Human Calponin-3(CNN3),partial
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-329aaSequence Info:Partial
Other Names	Calponin, acidic isoform
Accession No.	Q15417
Calculated MW	40.3 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	THFNKGPSYGLSAEVKNKIASKYDHQAEEDLRNWIEEVTGMSIGPNFQLGLKDGIILCELINKLPQGSVKKVNE SSLNWPQLENIGNFIKAIQAYGMKPHDIFEANDLFENGNMVQVQTTTLVALAGLAKTKGFHTTIDIGVKYAEKQT RRFDEGKLKAGQSVIGLQMGTNKCASQAGMTAYGTRRHLDPKMQTDPKFDQTTISLQMGTNKGASQAGML APGTRRDIYDQKLTLPVDNSTISLQMGTNKVASQKGMSVYGLGRQVYDPKYCAAPTEPVIHNGSQGTGTNG SEISDSYQAEYPDEYHGEYQDDYPRDYQYSDQGIDY
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

Thin filament-associated protein that is implicated in the regulation and modulation of smooth muscle contraction. It is capable of binding to actin, calmodulin, troponin C and tropomyosin. The interaction of calponin with actin inhibits the actomyosin Mg-ATPase activity.

References

An enzyme assisted RP-RPLC approach for in-depth analysis of human liver phosphoproteome.Bian Y., Song C., Cheng K., Dong M., Wang F., Huang J., Sun D., Wang L., Ye M., Zou H.J. Proteomics 96:253-262(2014)Research Topic:Signal Transduction

Note: This product is for in vitro research use only and is not intended for use in humans or animals.