

Recombinant Human Actin, alpha skeletal muscle(ACTA1)

Catalog No: #AP70007

Package Size: #AP70007-1 20ug #AP70007-2 100ug #AP70007-3 1mg

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	Recombinant Human Actin, alpha skeletal muscle(ACTA1)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:3-377aaSequence Info:Full Length
Other Names	Alpha-actin-1
Accession No.	P68133
Calculated MW	45.8 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	DEDETTALVCDNGSGLVKAGFAGDDAPRAVFPSIVGRPRHQGVVMGMGQKDSYVGDEAQSKEGILTLKYP HGIITNWDDMEKIWHHTFYNELRVAPEEHPTLLTEAPLNPKANREKMTQIMFETFNVPAMYVAIQAVLSLYASG RTTGIVLDSGDGVTHNVPIYEGYALPHAIMRLDLAQRDLTDYLMKILTERGYSFVTTAEREIVRDIKEKLCYVALD FENEMATAASSSSLEKSYELPDGQVITIGNERFRCPETLQPSFIGMESAGIHETTYNSIMKCDIDIRKDLANN VMSGGTTMYPGIADRMQKEITALAPSTMKIKIIPPERKYSVWIGGSILASLSTFQQMWITKQEYDEAGPSIVHR KCF
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

Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells.

References

Mutations in the skeletal muscle alpha-actin gene in patients with actin myopathy and nemaline myopathy.Nowak K.J., Wattanasirichaigoon D., Goebel H.H., Wilce M., Pelin K., Donner K., Jacob R.L., Hubner C., Oexle K., Anderson J.R., Verity C.M., North K.N.Nat. Genet. 23:208-212(1999)Research Topic:Signal Transduction

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