

Recombinant Schizosaccharomyces pombe NADH kinase pos5, mitochondrial(pos5)



Catalog No: #AP73787

Orders: order@abscitech.com

Package Size: #AP73787-1 10ug #AP73787-2 50ug #AP73787-3 100ug #AP73787-4 200ug #AP73787-5 500ug #AP73787-6 1mg

Support: tech@abscitech.com

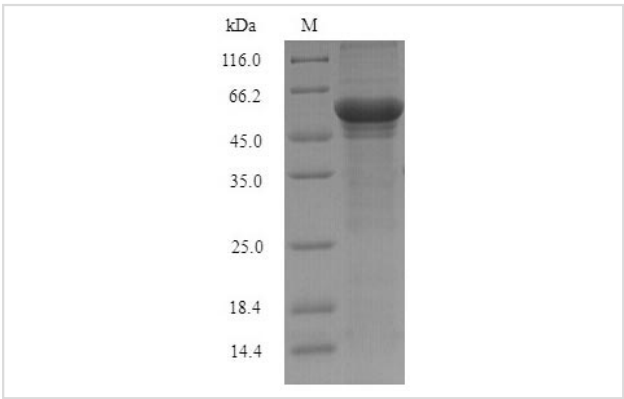
Description

Product Name	Recombinant Schizosaccharomyces pombe NADH kinase pos5, mitochondrial(pos5)
Brief Description	Recombinant Protein
Host Species	E.coli
Target Name	pos5
Accession No.	Uniprot ID: Q9UT98
Target Species	Schizosaccharomyces pombe (strain 972 / ATCC 24843) (Fission
SDS-PAGE MW	54.69kDa
Target Length	Full Length,43-386aa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	NSVYKSIRLVNTLENRIVPVYKECASPSIGGKSNLKQLQWPKPPKNILILKKRMDERVDHCFETLVQHLQQT YPDICIITETDVAKKFSYLNLYTWTEISDLEQKVDAIITVGGDGTILHAASLFARSGMPPILSFSLGTLGFLLPDF GSFQTAFADFYNRSFVLMRMRLRVAMKTKLYNESIYAMNEMHIHRGLSPHMAVLKVVFVNDKFLTEAVADGLII STPTGSTAYSLSSGGPIVHPSINALLLTPICPNLSFRPVLPDPTFKISIETSNKSRVRPQLSIDGRPLGLTDIGQR IDITSVKDNAIPCIIRSHKEDDWVSDIVSLLRWNHPFHRKGW
Formulation	Tris-based buffer,50% 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.

Application Details

Greater than 90% as determined by SDS-PAGE.

Images



Background

Phosphorylates both NADH and NAD⁺, with a preference for NADH. Anti-oxidant factor and key source of the cellular reductant NADPH (By similarity).

References

"ORFeome cloning and global analysis of protein localization in the fission yeast *Schizosaccharomyces pombe*." Matsuyama A., Arai R., Yashiroda Y., Shirai A., Kamata A., Sekido S., Kobayashi Y., Hashimoto A., Hamamoto M., Hiraoka Y., Horinouchi S., Yoshida M. *Nat. Biotechnol.* 24:841-847(2006)

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