

Recombinant Escherichia coli Phosphoserine phosphatase(serB)

Catalog No: #AP70676

Package Size: #AP70676-1 20ug #AP70676-2 100ug #AP70676-3 1mg

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

Description

Product Name	Recombinant Escherichia coli Phosphoserine phosphatase(serB)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-322aaSequence Info:Full Length
Other Names	O-phosphoserine phosphohydrolase
Accession No.	P0AGB0
Calculated MW	51 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MPNITWCDLPEDVSLWPGPLSLSGDEVMPLDYHAGRSGWLLYGRGLDKQRLTQYQSKLGAAMVIVAACV EDYQVIRLAGSLTARATRLAHEAQLDVAPLGKIPHLRTPGLLVMDMDSTAIQIECIDEIAKLAGTGEMVAEVT AMRGELDFTASLRSRVATLKGADANILQQVRENPLMPGLTQLVLKLETLGWKVAIASGGFTFFAEYLKRLRL TAVVANELEIMDGKFTGNVIGDIVDAQYKAKTLRLAQEYEIPLAQTVAGDGDANDLPMIKAAGLGIAYHAKPKV NEKAEVTIRHADLMGVFCILSGSLNQK
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

Catalyzes the dephosphorylation of phosphoserine (P-Ser). Also catalyzes the hydrolysis of phosphothreonine (P-Thr).

References

Genome-wide analysis of substrate specificities of the Escherichia coli haloacid dehalogenase-like phosphatase family.Kuznetsova E., Proudfoot M., Gonzalez C.F., Brown G., Omelchenko M.V., Borozan I., Carmel L., Wolf Y.I., Mori H., Savchenko A.V., Arrowsmith C.H., Koonin E.V., Edwards A.M., Yakunin A.F.J. Biol. Chem. 281:36149-36161(2006) Research Topic:Others

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