

PatA Protein, Nostoc sp., Recombinant (His & Myc)

General Information

Synonyms: PAT-1;patA;Protein PatA

Protein Construction: 1-379 aa

Species: Nostoc

Expression Host: E. coli

Accession: P39048

Molecular Weight: 50.2 kDa (predicted)

AA Sequence:

MKTLPI TRYRFFQKI QPLSLLKKITGKTITGCLQVFSTSGTWSIYVEEGKLIYACYSERMFEPYRHLGNLSPQIAT
LPKEINEQLRAIFETGIENQAI PNPDYLAICWLVNQKYISSQA AVLIEQLALEVVESFLMLEEGSYEFIPESFLDD
LPKFCYLVN RLLVEQCQHQHGRVPEAFRREASSQEISSSTEHNQIPVNNRRSTKFTSPPH TQPKPEPRLPQINTN
KSTEYSKRYASQPNTVNHGYSQTSATSTDKKIYTIFCIDENPIVLNNIKNFLDDQIFAVIGVTD SLKALMEILCTK
PDIILINVDMPDL DGYELCSLLRKHSYFKNTPVIMVTEKAGLVDRARAKIVRASGHLTKPFNQGDLLKVIFKHIT

QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity: > 85% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Controls heterocyst pattern formation. Required for the differentiation of intercalary heterocysts but not for terminal heterocysts.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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