

Mouse Noggin Recombinant Protein



RPPB0805

Product Information Protein Information

Product SKU:

RPPB0805

Accession:

P97466

Host:

Escherichia Coli.

Protein description:

Noggin Mouse Recombinant produced in E.Coli is a non-glycosylated, disulfide-linked protein consisting of two 206 amino acid polypeptide chains, having a total molecular mass of approximately 46.4 kDa (each chain 23.2 kDa).

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Noggin, SYM1, SYNS1, NOG.

Formulation:

Lyophilized from a 0.2µm filtered solution in 30% acetonitrile, 0.1% TFA.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Solubility:

It is recommended to be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in 10mM HAC to a concentration of 0.1-1.0 mg/ml. Further dilutions should be made in appropriate buffered solutions.

Stability:

Lyophilized Mouse Noggin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Mouse Noggin should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Amino Acid Sequence:

MQHYLHIRPAPSDNLPLVDLIEHPDPIFDPKKDLNETLLRSLGGHYDPGFMATSPPEDRPGGGGGPAGGAEDLA
ELDQLLRQRPSGAMPSEIKGLEFSEGLAQGKKQRLSKLRRKLMWLWSQTFPCVLYAWNDLGSRFWPRYVKVGS
CFSKRSCSVPEGMVCKPSKSVHLTVLRWRCRRGQRCGWIPYPIIIECKCSC.

Biological Activity:

The ED50 as determined by inhibiting BMP-4-induced alkaline phosphatase production of murine ATDC5 cells is less than 2ng/ml, corresponding to a specific activity of > 5.0 × 10⁵ IU/mg in the presence of 5ng/ml BMP-4.