

Active Recombinant Mouse Nog protein

Cat. No. Nog-954M **Lot. No.** (See product label)

SPECIFICATION

| | |
|-------------------------|---|
| Product Overview | Recombinant Mouse Nog protein(P97466)(28-232 aa) was expressed in E. coli. |
| Species | Mouse |
| Source | E.coli |
| ProteinLength | 28-232 aa |
| Form | Lyophilized from a 0.2 µm filtered concentrated solution in 30 % acetonitrile, 0.1 % TFA. |
| Bio-activity | Fully biologically active when compared to standard. The ED50 as determined by inhibiting BMP-4-induced alkaline phosphatase production of murine ATDC5 cells is less than 2 ng/ml, corresponding to a specific activity of > 5.0 × 10 ⁵ IU/mg in the presence of 5 ng/ml BMP-4. |
| Molecular Mass | Approximately 46.4 kDa, a disulfide-linked homodimer consisting of two 206 amino acid polypeptide chains. |
| AASequence | MQHYLHIRPA PSDNLPLVDL IEHPDPIFDP KEKDLNETLL RSLGHHYDP GFMATSPPED RPPGGGGPAG GAEDLAELDQ LLRQRPSGAM PSEIKGLEFS EGLAQGKKQR LSKKLRRKLQ MWLWSQTFCP VLYAWNDLGS RFWPRYVKVG SCFSKRSCSV PEGMVCKPSK SVHLTVLRWR CQRRGGQRCG WIPIQYPIIS ECKCSC |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

| | |
|-----------------------|--|
| Endotoxin | Less than 1 EU/μg of rMuNoggin as determined by LAL method. |
| Purity | > 95 % by SDS-PAGE and HPLC analyses. |
| Storage | Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution. |
| Reconstitution | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions. |

GENE INFORMATION

| | |
|------------------------|---|
| Gene Name | Nog noggin [Mus musculus] |
| Official Symbol | Nog |
| Synonyms | NOG; noggin; |
| Gene ID | 18121 |
| mRNA Refseq | NM_008711 |
| Protein Refseq | NP_032737 |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA