



Optimize Your Research

Recombinant Human Noggin protein

Code CD01208

Storage: This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C. Avoid repeated freeze/thaw cycles.

Intended Use

This product is for research use only, not for use in diagnosis procedures. It is highly recommended to read this instruction entirely before the use.

Source

Escherichia coli.

Molecular Weight

Approximately 46.3 kDa, non-disulfide-linked homodimer consisting of two 206 amino acid polypeptide chains.

Purity

> 95 % by SDS-PAGE and HPLC analyses.

Biological Activity

Fully biologically active when compared to standard. The ED50 as determined by inhibiting BMP-4-induced alkaline phosphatase production of Mouse ATDC5 cells is less than 3.0 ng/ml, corresponding to a specific activity of $> 3.3 \times 10^5$ IU/mg in the presence of 5 ng/ml rHuBMP-4.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

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

Sequence

MQHYLHIRPA PSDNLPLVDL IEHPDPIFDP KEKDLNETLL RSLGHHYDP GFMTSPPED RPPGGGGGAAG GAEDLAELDQ
LLRQRPSGAM PSEIKGLEFS EGLAQGKKQR LSKKLRRLQ MWLWSQTFCP VLYAWNDLGS RFWPRYVKVG SCFSKRSCSV
PEGMVCKPSK SVHLTVLRWR CQRRGGQRCG WIPIQYPIIS ECKCSC

Endotoxin

Less than 1 EU/µg of rHuNoggin as determined by LAL method.

Reconstitution

We recommend that this vial 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. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

If you have any question on order please contact us via: order@bt-laboratory.com; technical assistance please contact us via: support@bt-laboratory.com More product visit www.bt-laboratory.com