

Active Recombinant Human NODAL Protein (His238-Leu347), C-His tagged, Animal-free, Carrier-free

Cat. No. NODAL-235H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NODAL Protein (His238-Leu347) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	His238-Leu347
Form	Lyophilized
Bio-activity	Measure by its ability to induce alkaline phosphatase production by ATDC5 cells. The ED50 for this effect is < 2.2 ng/mL.
Molecular Mass	The protein has a calculated MW of 13.75 kDa. The protein migrates as 10 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution.

 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

Avoid repeated freeze/thaw cycles.

Storage Buffer

Lyophilized from a 0.2 µm filtered solution containing 20 mM sodium citrate and 0.2 M NaCl, pH 3.5.

Reconstitution

It is recommended to reconstitute the lyophilized protein in 4 mM HCl to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name

NODAL nodal homolog (mouse) [Homo sapiens (human)]

Official Symbol

NODAL

Synonyms

NODAL; nodal homolog (mouse); nodal, mouse, homolog; nodal homolog; HTX5; MGC138230;

Gene ID

4838

mRNA Refseq

NM_018055

Protein Refseq

NP_060525

MIM

601265

UniProt ID

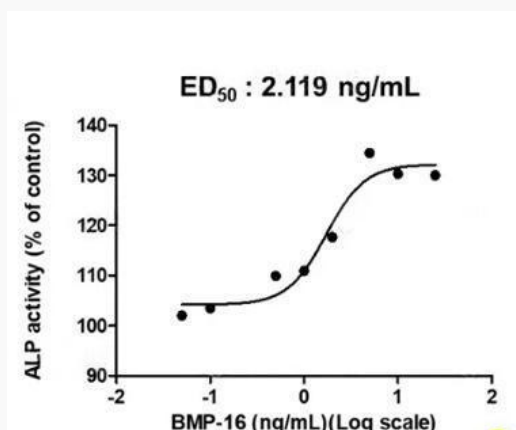
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Activity



Human BMP-16, His Tag, E. coli (LDG114PHE) induced alkaline phosphatase production by ATDC5 cells, with the ED₅₀ at 2.119 ng/mL.

SDS-PAGE analysis of recombinant human BMP-16.

