

Recombinant Human BMP-16 protein(His Tag)

Catalog Number:PKSH034141



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

| | |
|------------------------------------|---|
| Synonyms | Nodal |
| Species | Human |
| Expression Host | E.coli |
| Sequence | His 238-Leu 347 |
| Accession | Q96S42 |
| Calculated Molecular Weight | 13.8 kDa |
| Observed molecular weight | 18 kDa |
| Tag | C-His |
| Bioactivity | Measure by its ability to induce alkaline phosphatase production by ATDC5 cells. The ED ₅₀ for this effect is < 2.2 ng/mL. |

Properties

| | |
|-----------------------|--|
| Purity | > 98 % as determined by reducing SDS-PAGE. |
| Endotoxin | < 0.1 EU per µg of the protein as determined by the LAL method. |
| Storage | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |
| Shipping | This product is provided as lyophilized powder which is shipped with ice packs. |
| Formulation | Lyophilized from sterile 20 mM sodium citrate, 0.2 M NaCl, pH 3.5. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual. |
| Reconstitution | Please refer to the printed manual for detailed information. |

Background

Essential for mesoderm formation and axial patterning during embryonic development.

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