

## Recombinant Human LOC100147806

**Cat. No.** LOC100147806-3120H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Activin B                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | Hi-5 Insect Cells                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | Purified recombinant Human Activin B protein<br>Activin B is a TGF beta family member that exhibits a wide range of biological activities including regulation of embryogenesis, osteogenesis, hematopoiesis, reproductive physiology and hormone secretion from the hypothalamic, pituitary and gonadal glands. Activin B, like certain other members of the TGF beta family, signals through the ActRII receptor (Activin Receptor type II). |
| <b>Form</b>             | Supplied as a lyophilized powder.                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | Region of Activin protein corresponding to amino acids GLECDGRTNL<br>CCRQQFFIDF RLIGWNDWII APTGYYGNYC EGSCPAYLAG VPGSASSFHT<br>AVVNQYRMRG LNPGLTVNSCC IPTKLSTMSM LYFDDEYNIV KRDVPNMIVE<br>ECGCA.                                                                                                                                                                                                                                               |
| <b>Endotoxin</b>        | Endotoxin level is less than 0.1 ng per ug (1 EU/ug).                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Purity</b>           | >95% pure by SDS PAGE and HPLC                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Notes</b>            | Small volumes of LOC100147806 recombinant protein may occasionally become                                                                                                                                                                                                                                                                                                                                                                      |

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entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's cap. Certain products may require to ship with dry ice.

**Storage**

Store at 4 deg C until reconstitution. Following reconstitution aliquot and freeze at -20 deg C for long term storage. Avoid repeated freeze/thaw cycles.

**Warning**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

## GENE INFORMATION

**Gene Name**

[LOC100147806](#)

**Official Symbol**

LOC100147806

**Synonyms**

LOC100147806;activin B

**Gene ID**

[100147806](#)

**mRNA Refseq**

[NM\\_001128068.1](#)

**Protein Refseq**

[NP\\_001121540.1](#)

**Chromosome  
Location**

chromosome: Un

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