

## Recombinant Human GDF2, His-tagged

Cat. No. GDF2-13209H    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                                                                                                                                                                                        |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Recombinant Human GDF2 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.                                                                                                                                                                                                                                |
| Species          | Human                                                                                                                                                                                                                                                                                                                                  |
| Source           | E.coli                                                                                                                                                                                                                                                                                                                                 |
| ProteinLength    | 23-429a.a.                                                                                                                                                                                                                                                                                                                             |
| Description      | This gene encodes a member of the cytoskeletal BTB/kelch (Broad-Complex, Tramtrack and Bric a brac) repeat family. The encoded protein plays a role in neurofilament architecture and is involved in mediating the ubiquitination and degradation of some proteins. Defects in this gene are a cause of giant axonal neuropathy (GAN). |
| Storage          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                                                                                                                                                                                              |
| Storage Buffer   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.                                                                                                                                                                   |

### GENE INFORMATION

|           |                                                       |
|-----------|-------------------------------------------------------|
| Gene Name | GDF2 growth differentiation factor 2 [ Homo sapiens ] |
|-----------|-------------------------------------------------------|

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|                            |                                                                                                                                  |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>Official Symbol</b>     | GDF2                                                                                                                             |
| <b>Synonyms</b>            | GDF2; growth differentiation factor 2; growth/differentiation factor 2; BMP 9; BMP9; GDF-2; bone morphogenetic protein 9; BMP-9; |
| <b>Gene ID</b>             | <a href="#">2658</a>                                                                                                             |
| <b>mRNA Refseq</b>         | <a href="#">NM_016204</a>                                                                                                        |
| <b>Protein Refseq</b>      | <a href="#">NP_057288</a>                                                                                                        |
| <b>MIM</b>                 | <a href="#">605120</a>                                                                                                           |
| <b>UniProt ID</b>          | <a href="#">Q9UK05</a>                                                                                                           |
| <b>Chromosome Location</b> | 10q11.22                                                                                                                         |
| <b>Pathway</b>             | ALK1 signaling events, organism-specific biosystem;                                                                              |
| <b>Function</b>            | cytokine activity; growth factor activity; protein binding;                                                                      |

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