

## Recombinant Human GDF9 protein, His-tagged

**Cat. No.** GDF9-4712H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human GDF9 protein(O60383)(25-454 aa), fused with C-terminal His tag, was expressed in Mammalian Cells.                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | 25-454 aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Form</b>             | For liquid formulations, the standard storage buffer consists of a Tris or PBS based solution supplemented with 5-50% glycerol. When provided as lyophilized powder, the product undergoes freeze-drying from a Tris- or PBS-based formulation containing 6% trehalose, adjusted to pH 8.0 prior to the lyophilization process.                                                                                                                                                                              |
| <b>Molecular Mass</b>   | 50.0 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>AASequence</b>       | <p>SQASGGEAQIAASAELESGAMPWSLLQHIDERDRAGLLPALFKVLSVGRGGSPRLQ</p> <p>PDSRALHYMKKLYKTYATKEGIPKSNRSHLYNTVRLFTPCTRHKQAPGDQVTGILPS</p> <p>VELLFNLDRIITVEHLLKSVLLYNINNSVSFSSAVKVCNLMIKEPKSSSRTLGRAPYS</p> <p>FTFNSQFEFGKKHKWIIQIDVTSLLQPLVASNKRSIHMSINFCTMKDQLEHPSAQNGL</p> <p>FNMTLVSPSLILYLNDTSAQAYHSWYSLHYKRRPSQGPDQERSLSAYPVGEEAAED</p> <p>GRSSHHRHRRGQETVSSELKKPLGPASFNLSEYFRQFLLPQNECELHDFRLSFSQL</p> <p>KWDNWIVAPHRYNPRYCKGDCPRAVGHRYGSPVHTMVQNIIEKLDSSVPRPSCV</p> <p>PAKYSPLSVLTIEPDGSIAYKEYEDMIATKCTCR</p> |

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|                       |                                                                                                                                    |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | Greater than 95% as determined by SDS-PAGE.                                                                                        |
| <b>Storage</b>        | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                     |
| <b>Reconstitution</b> | Please reconstitute protein indeionized sterile water to a concentration of 0.1-1.0 mg/mL. Aliquot for long-term storage at -80°C. |

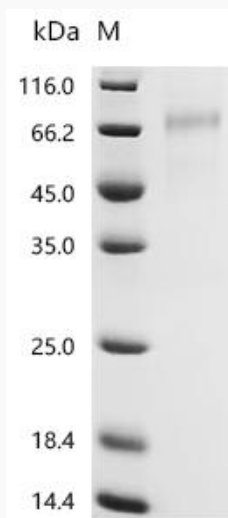
## GENE INFORMATION

|                        |                                                                                |
|------------------------|--------------------------------------------------------------------------------|
| <b>Gene Name</b>       | GDF9 growth differentiation factor 9 [ Homo sapiens ]                          |
| <b>Official Symbol</b> | GDF9                                                                           |
| <b>Synonyms</b>        | GDF9; growth differentiation factor 9; growth/differentiation factor 9; GDF-9; |
| <b>Gene ID</b>         | 2661                                                                           |
| <b>mRNA Refseq</b>     | NM_005260                                                                      |
| <b>Protein Refseq</b>  | NP_005251                                                                      |
| <b>MIM</b>             | 601918                                                                         |
| <b>UniProt ID</b>      | O60383                                                                         |

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**SDS-PAGE**

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