## PRODUCT INFORMATION

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|---|---|
| **Target** | GDF2 |
| **Synonyms** | BMP9; HHT5; BMP-9 |
| **Description** | Recombinant human GDF2 Protein with C-terminal 3×Flag tag |
| **Delivery** | In Stock |
| **Uniprot ID** | Q9UK05 |
| **Expression Host** | HEK293 |
| **Tag** | C-3×Flag Tag |
| **Molecular Characterization** | GDF2(Met1-Arg429) 3×Flag tag |
| **Molecular Weight** | The protein has a predicted molecular mass of 50.3 kDa after removal of the signal peptide. |
| **Purity** | The purity of the protein is greater than 80% as determined by SDS-PAGE and Coomassie blue staining. |
| **Formulation & Reconstitution** | Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| **Storage&Shipping** | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |
| **Background** | This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. This protein regulates cartilage and bone development, angiogenesis and differentiation of cholinergic central nervous system neurons. Mutations in this gene are associated with hereditary hemorrhagic telangiectasia. [provided by RefSeq, Jul 2016] |
| **Usage** | Research use only |
| **Conjugate** | Unconjugated |

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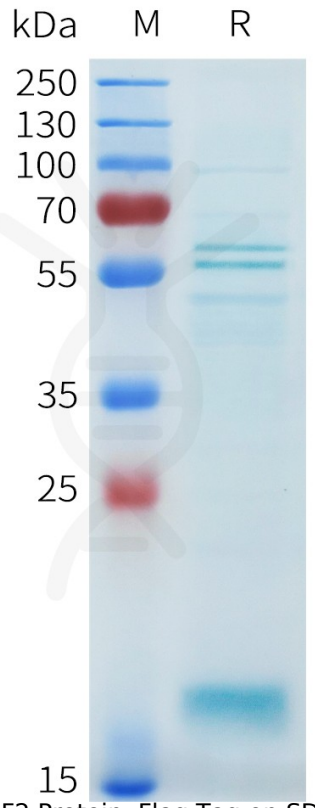



Figure 1. Human GDF2 Protein, Flag Tag on SDS-PAGE under reducing condition.

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