

## 32-18575: Human GDF2 Protein, Flag Tag

**Gene :** GDF2  
**Uniprot ID :** Q9UK05  
**Alternative Name :** BMP9; HHT5; BMP-9, Recombinant human GDF2 Protein with C-terminal 3?Flag tag

### Description

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]

**Molecular Weight :** The protein has a predicted molecular mass of 50.3 kDa after removal of the signal peptide.

**Tag :** C-3?Flag Tag

### Product Info

**Amount :** 50µg / 10µg  
**Purification :** The purity of the protein is greater than 80% as determined by SDS-PAGE and Coomassie blue staining.  
**Content :** 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 condition :** 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.

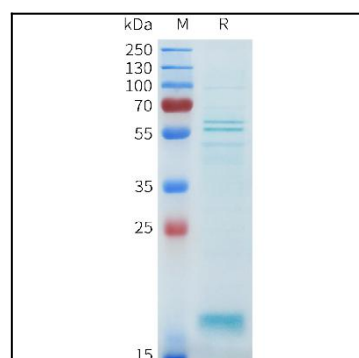


Figure 1. Human GDF2 Protein, Flag Tag on SDS-PAGE under reducing condition.