

GDF9, human recombinant protein
Growth/differentiation factor 9
Catalog # PBV10457r**Specification**

GDF9, human recombinant protein - Product info

Primary Accession [O60383](#)
Calculated MW **31.2 kDa KDa**

GDF9, human recombinant protein - Additional Info

Gene ID **2661**
Gene Symbol **GDF-9**

Other Names

Growth/differentiation factor 9

Gene Source **Human**
Source **E. coli**
Assay&Purity **SDS-PAGE; ≥98%**
Assay2&Purity2 **HPLC; ≥98%**
Recombinant **Yes**

Application Notes

Reconstitute in H₂O to a concentration of 0.1-1.0 mg/ml. This solution can then be diluted into other aqueous buffers

Format

Lyophilized protein

Storage

-20°C; Sterile filtered and lyophilized with no additives

GDF9, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GDF9, human recombinant protein - Images**GDF9, human recombinant protein - Background**

GDF-9 is a member of the TGF- β superfamily of growth and differentiation factors, and is highly

homologous to GDF-3. Unlike most TGF-family members, GDF-9 and GDF-3 are not disulfide-linked dimers. GDF-3 is expressed in adult bone marrow, spleen, thymus, and adipose tissue. GDF-9 is expressed in oocytes and is required for normal ovarian folliculogenesis. Recombinant human GDF-9 is a 31.0 kDa non-disulfide-linked homodimer containing two 135 amino acid polypeptide chains with 6XHis on its N-terminus.

GDF9, human recombinant protein - References

Schmutz J., et al. Nature 431:268-274(2004).
Aaltonen J., et al. J. Clin. Endocrinol. Metab. 84:2744-2750(1999).
Yamamoto N., et al. J. Clin. Endocrinol. Metab. 87:2849-2856(2002).
Yamamoto N., et al. J. Clin. Endocrinol. Metab. 87:4495-4495(2002).
McMahon H.E., et al. Endocrinology 149:812-817(2008).