

Recombinant Full Length Human GDF9 Protein, GST-tagged

Cat. No. GDF9-5241HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human GDF9 full-length ORF (NP_005251.1, 1 a.a. - 454 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
Protein Length	454 amino acids
Description	Growth factors synthesized by ovarian somatic cells directly affect oocyte growth and function. Growth differentiation factor-9 (GDF9) is expressed in oocytes and is thought to be required for ovarian folliculogenesis. GDF9 is a member of the transforming growth factor-beta superfamily. [provided by RefSeq]
Molecular Mass	77.8 kDa
AA Sequence	MARPKNKFLWFCFAWLCPISLGSQASGGEAQIAASAELESGAMPWSLLQHIDER DRAGLLPALFKVLSVGRGGSPRLQPDSRALHYMKKLYKTYATKEGIPKSNRSHLYNT VRLFTPCTRHKQAPGDQVTGILPSVELLFLNDRITTVHELLKSVLLYNINNSVSFSSAV KVCNLMIKEPKSSSRTLGRAPYSFTFNSQFEFGKKHKWQIDVTSLLQPLVASNKR SIHMSINFTCMKDQLEHPSAQNGLFNMTLVSPSLILYLNDTSAQAYHSWYSLHYKRR PSQGPDQERSLSAYPVGEEAAEDGRSSHHRHRRGQETVSSSELKKPLGPASFNLSE YFRQFLLPQNECELHDFRLSFSQLKWDNWIVAPHRYNPRYCKGDCPRAVGHRYGS PVHTMVQNIIEKLDSSVPRPSCVPAKYSPLSVLTIEPDGSIAYKEYEDMIATKCTCR

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

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

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