

Recombinant Full Length Human GDF1 Protein, GST-tagged

Cat. No. GDF1-5228HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human GDF1 full-length ORF (AAH22450.1, 1 a.a. - 337 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	337 amino acids
Description	This gene encodes a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. This group of proteins is characterized by a polybasic proteolytic processing site that is cleaved to produce a mature protein containing seven conserved cysteine residues. The members of this family are regulators of cell growth and differentiation in both embryonic and adult tissues. Studies in rodents suggest that this protein is involved in the establishment of left-right asymmetry in early embryogenesis and in neural development in later embryogenesis. This protein is transcribed from a bicistronic mRNA that also encodes the longevity assurance gene. [provided by RefSeq]
Molecular Mass	64.4 kDa
AA Sequence	MAAAGPAAGPTGPEPMPSYAQLVQRGWGSALAAARGCTDCGWGLARRGLAEHA HLAPPELLLLLALGALGWTALRSAATARLFRPLAKRCCLQPRDAAKMPESAWKFLFYL CSWSYSAYLLFGTDYPFFHDPPSVFYDWTGMAVPRDIAAAYLLQGSFYGHSIYATL YMDTWRKDSVVMLLHHVVTLLIVSSYAFRYHNVGILVFLHDISDVQLEFTKLNIFYK

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SRGGSYHRLHALAADLGCLSGFSGFWFRLYWFPLKVLATSHCSLRTVPDIPFYF
FFNALLLLLTLMNLYWFLYIVAFAAKVLGTGQVHELKDLREYDTAEAQSLKPSKAE

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	GDF1 growth differentiation factor 1 [Homo sapiens]
Official Symbol	GDF1
Synonyms	GDF1; growth differentiation factor 1; embryonic growth/differentiation factor 1; GDF-1; DORV; DTGA3;
Gene ID	2657
mRNA Refseq	NM_001492
Protein Refseq	NP_001483
MIM	602880



UniProt ID

P27539

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