

# Recombinant Full Length Human GDF10 Protein, GST-tagged

**Cat. No.** GDF10-5230HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human GDF10 full-length ORF ( AAH28237, 1 a.a. - 288 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	288 amino acids
<b>Description</b>	The protein encoded by this gene is 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 which 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 mice suggest that the protein encoded by this gene plays a role in skeletal morphogenesis. [provided by RefSeq]
<b>Molecular Mass</b>	57.42 kDa
<b>AA Sequence</b>	MALAPPPRGLWQAKDISPIVKAARRDGELLLSAQLDSEERDPGVPRPSPYAPYILVY ANDLAISEPNSVAVTLQRYDPFPAGDPEPRAAPNNSADPRVRRAAQATGPLQDNEL PGLDERPPRAHAQHFKHQLWPSPFRAALKPRPGRKDRRKKGQEVFMAASQVLDF DEKTMQKARRKQWDEPRVCSRRYLKVDVFADIGWNEWIISPFSFDAYYCAGACEFP MPKIVRPSNHATIQSIVRAVGIIPGIPEPCCVPDKMNSLGVFLDENRNVVLKVYPNM SVDTCACR

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

## GENE INFORMATION

<b>Gene Name</b>	GDF10 growth differentiation factor 10 [ Homo sapiens ]
<b>Official Symbol</b>	GDF10
<b>Synonyms</b>	GDF10; growth differentiation factor 10; bone morphogenetic protein 3B; BMP 3b; BIP; GDF-10; bone-inducing protein; BMP3B; BMP-3b;
<b>Gene ID</b>	2662
<b>mRNA Refseq</b>	NM_004962
<b>Protein Refseq</b>	NP_004953
<b>MIM</b>	601361
<b>UniProt ID</b>	P55107

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