

Recombinant Full Length Human GDF2 Protein, GST-tagged

Cat. No. GDF2-5235HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GDF2 full-length ORF (NP_057288.1, 1 a.a. - 429 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	429 amino acids
Description	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 rodents suggest that this protein plays a role in the adult liver and in differentiation of cholinergic central nervous system neurons. [provided by RefSeq
Molecular Mass	73.7 kDa
AA Sequence	MCPGALWVALPLLSLLAGSLQGKPLQSWGRGSAGGNAHSPLGVPGGGLPEHTFNL KMFLENVKVDFLRSLNLSGVPSQDKTRVEPPQYIMIDLYNRYTSDKSTTPASNIVRSF SMEDAISITATEDFPFQKHILLFNISIPRHEQITRAELRLYVSCQNHVDPSHDLKGSVVI YDVLGDGTDWDSATETKTLVLSQDIQDEGWETLEVSSAVKRWVRSDSTKSKNKLEV TVESHKRGCDTLDISVPPGSRNLPPFFVVFSDNHSSGKTRLELREMISHEQESVLK KLSKDGSTEAGESSHEEDTDGHVAAGSTLARRKRSAGAGSHCQKTSLRVNFEDIG

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	WDSWIIAPKEYEAYECKGGCFFPLADDVTPTKHAIVQTLVHLKFPTKVGKACCVPTK LSPISVLYKDDMGVPTLKYHYEGMSVAECGCR
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	GDF2 growth differentiation factor 2 [Homo sapiens]
Official Symbol	GDF2
Synonyms	GDF2; growth differentiation factor 2; growth/differentiation factor 2; BMP 9; BMP9; GDF-2; bone morphogenetic protein 9; BMP-9;
Gene ID	2658
mRNA Refseq	NM_016204
Protein Refseq	NP_057288
MIM	605120

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UniProt ID

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