

# Recombinant Full Length Human GDF2 Protein, GST-tagged

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

## SPECIFICATION

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

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

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

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

WDSWIIAPKEYEAYECKGGCFFPLADDVTPTKHAIVQTLVHLKFPTKVGKACCVPTK  
LSPISVLYKDDMGVPTLKYHYEGMSVAECGCR

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



UniProt ID

Q9UK05

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