

Recombinant Human GDF2 Protein, GST-tagged

Cat. No. GDF2-4823H **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	Wheat Germ
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 YDVLGDGTDAWDSATETKTLVLSQDIQDEGWETLEVSSAVKRWVRSDSTKSKNKLEV TVESHRKGCDTLDISVPPGSRNLPFFVVFVSNHSSGKTRLELREMISHEQESVLK KLSKDGSTEAGESSHEEDTDGHVAAGSTLARRKRSAGAGSHCQKTSLRVNFEDIG WDSWIIAPKEYEAYECKGGCFFPLADDVTPTKHAIVQTLVHLKFPTKVGKACCVPTK

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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

UniProt ID

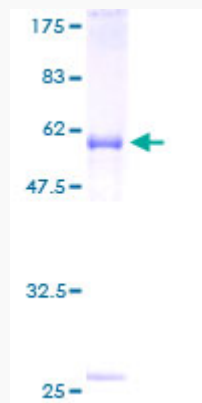
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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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