

Recombinant Human GDF11 protein

Cat. No. GDF11-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GDF11 was expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. This protein plays a role in the development of the nervous and other organ systems, and may regulate aging.
Form	20mM Tris-HCl, 200 mM NaCl, pH7.4, 2Mm DTT
Molecular Mass	~13 kDa
AA Sequence	NLGLDCDEHSSSRCCRYPLTVDFEAFGWDWIIAPKRYKANYCSGQCEYMFQMKY PHTHLVQQANPRGSAGPCCTPKMSPINMLYFNDKQQIIYGKIPGMVVDRCGCS
Purity	> 95% as determined by SDS-PAGE
Storage	Short Term Storage (1 week) at +4 centigrade, Long Term Storage(3 months) at -20 centigrade to -80 centigrade. Avoid freeze/thaw cycles.

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Concentration 0.1 mg/ml

GENE INFORMATION

Gene Name GDF11 growth differentiation factor 11 [Homo sapiens]

Official Symbol GDF11

Synonyms GDF11; growth differentiation factor 11; growth/differentiation factor 11; BMP 11; GDF-11; bone morphogenetic protein 11; BMP11; BMP-11;

Gene ID 10220

mRNA Refseq NM_005811

Protein Refseq NP_005802

MIM 603936

UniProt ID O95390

Chromosome Location 12q13.13

Function cytokine activity; growth factor activity;

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