

Active GMP Recombinant Human GDF11 Protein

Cat. No. GDF11-137HG Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GDF11, Asn299-Ser407, was produced in E. coli using non-animal reagents in an animal-free facility under cGMP guidelines.
Species	Human
Source	E.coli
ProteinLength	299-407 a.a.
Form	Lyophilized from a 0.2 µm filtered solution in Acetonitrile and TFA.
Bio-activity	Measured by its ability to induce hemoglobin expression in K562 human chronic myelogenous leukemia cells. Schwall, R.H. et al. (1991) Method Enzymol. 198:340.
Molecular Mass	Predicted Molecular Mass: 12.6 (monomer) kDa SDS-PAGE: 12 kDa, reducing conditions
N-terminal Sequence Analysis	Met-Asn299-Leu-Gly-Leu-Asp-(Cys)-Asp-Glu-His
Endotoxin	<0.01 EU per 1 µg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.

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Storage	<p>Avoid repeated freeze-thaw cycles.</p> <p>12 months, -20 to -70 centigrade as supplied.</p> <p>1 month, 2 to 8 centigrade under sterile conditions after reconstitution.</p> <p>3 months, -20 to -70 centigrade under sterile conditions after reconstitution.</p>
Reconstitution	Reconstitute at 100 µg/mL in 4 mM HCl.
Quality Statement	Our GMP proteins are produced according to relevant sections of the following documents: WHO TRS, No. 822, 1992 Annex 1, Good Manufacturing Practices for Biological Products; USP Chapter 1043, Ancillary Materials for Cell, Gene and Tissue-Engineered Products and USP Chapter 92, Growth Factors and Cytokines Used in Cell Therapy Manufacturing.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

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

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MIM	603936
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UniProt ID	O95390
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