Active Recombinant Mouse Gdf2

Cat. No. Gdf2-276M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Gdf2 (Accession # AAD56961) Ser319-Arg428 was produced in Chinese Hamster Ovary cell line, CHO-derived.
Species	Mouse
Source	CHO
ProteinLength	319-428 a.a.
Predicted N Terminal	Ser319
Form	Lyophilized from a 0.2 μm filtered solution in Acetonitrile and TFA with BSA as a carrier protein.
Bio-activity	Measured by its ability to induce alkaline phosphatase production by ATDC5 mouse chondrogenic cells. Nakamura, K. et al. (1999) Exp. Cell Res. 250:351.The ED50 for this effect is typically 0.4 - 1.6 ng/mL.
Molecular Mass	Recombinant Mouse Gdf2 has a calculated MW of 12.1 kDa. In SDS-PAGE migrates as 13 kDa, reducing conditions.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4ºC); After reconstitution under sterile conditions for 3

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	months (-70ºC).
Reconstitution	Reconstitute at 100 µg/mL in 4 mM HCl containing at least 0.1% human or bovine serum albumin.

GENE INFORMATION

Gene Name	Gdf2 growth differentiation factor 2 [Mus musculus]
Official Symbol	Gdf2
Synonyms	GDF2; growth differentiation factor 2; growth/differentiation factor 2; BMP-9; GDF-2; bone morphogenetic protein 9; Bmp9; MGC124253; MGC124255; MGC124256;
Gene ID	12165
mRNA Refseq	NM_019506
Protein Refseq	NP_062379
MIM	

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