

Active Recombinant Human GDF15 Protein

Cat. No. GDF15-4821H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human GDF15 (Q99988) partial recombinant protein expressed in CHO cell.
Species	Human
Source	CHO
Description	Bone morphogenetic proteins (e.g., BMP5; MIM 112265) are members of the transforming growth factor-beta (see TGFB1; MIM 190180) superfamily and regulate tissue differentiation and maintenance. They are synthesized as precursor molecules that are processed at a dibasic cleavage site to release C-terminal domains containing a characteristic motif of 7 conserved cysteines in the mature protein.[supplied by OMIM
Form	Lyophilized
Bio-activity	Determined by a cell inhibition assay using DU-145 cells. The expected ED50 for this effect is 1.0-2.0 µg/mL.
AA Sequence	ARNGDHCPLGPGRCCLHTVRSLEDLGWADWVLSPREVQVTMCIGACPSQFRAA NMHAQIKTSLHRLKPDTVAPCCVPASYNPMVLIQKTDGTGVSLSLQTYDDLLAKDCHCI
Endotoxin	<0.1 ng/µg (<1 EU/µg)
Purity	98%

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Applications	Functional Study SDS-PAGE
Usage	SDS-PAGE Activity assay The optimal working dilution should be determined by the end user.
Storage	Store at -20 centigrade.Reconstitute in water to a concentration of 0.1-1.0 mg/mL. Do not vortex.For extended storage, it is recommended to be further diluted in buffer containing carrier protein (e.g. 0.1% BSA) and stored in aliquots at -20 centigrade to -80 centigrade.
Storage Buffer	Lyophilized from 10mM Sodium Citrate, pH 3.0.

GENE INFORMATION

Gene Name	GDF15 growth differentiation factor 15 [Homo sapiens]
Official Symbol	GDF15
Synonyms	GDF15; growth differentiation factor 15; growth/differentiation factor 15; MIC 1; MIC1; NAG 1; PDF; PLAB; prostate differentiation factor; PTGFB; NRG-1; PTGF-beta; placental TGF-beta; NSAID-activated gene 1 protein; NSAID-regulated gene 1 protein; macrophage inhibitory cytokine 1; placental bone morphogenetic protein; NSAID (nonsteroidal anti-inflammatory drug)-activated protein 1; MIC-1; NAG-1; GDF-15;
Gene ID	9518
mRNA Refseq	NM_004864

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Protein Refseq NP_004855

MIM 605312

UniProt ID Q99988

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