Recombinant Human GDF3

Cat. No. GDF3-246H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GDF3 was expressed in CHO cell.
Species	Human
Source	CHO
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.
Form	Lyophilized. This recombinant protein was lyophilized from a 0.2 μm filtered solution in hydrogen chloride (HCl).
Molecular Mass	The predicted molecular weight of Recombinant Human GDF-3 is Mr 12.9 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 18 kDa, reducing conditions kDa.
AA Sequence	aaipvpklsc knlchrhqlf infrdlgwhk wiiapkgfma nychgecpfs ltislnssny afmqalmhav dpeipqavci ptklspisml yqdnndnvil rhyedmvvde cgcg
Endotoxin	<1.0 EU/μg as determined by the LAL method
Purity	>90% by SDS-PAGE and analyzed by silver stain.

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Storage	This lyophilized protein is stable for six to twelve months when stored desiccated at -20ºC to -70ºC. After aseptic reconstitution, this protein may be stored at 2ºC to 8ºC for one month or at -20ºC to -70ºC in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

GENE INFORMATION

Gene Name	GDF3 growth differentiation factor 3 [Homo sapiens (human)]
Official Symbol	GDF3
Synonyms	GDF3; growth differentiation factor 3; KFS3; MCOP7; MCOPCB6; growth/differentiation factor 3; GDF-3
Gene ID	9573
mRNA Refseq	NM_020634
Protein Refseq	NP_065685
MIM	606522
UniProt ID	Q9NR23
Chromosome Location	12p13.1
Function	cytokine activity; growth factor activity; protein kinase binding; transforming growth factor beta receptor binding

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