

Human GDF-3 Recombinant Protein, PeproTech®

Product Details

Size	1 mg
Species	Human
Published Species	Amphibian, Chicken
Expression system	E. coli
Amino acid sequence	AAIPVPKLSC KNLCHRHQLF INFRDLGW HK WIIAPKGFMA NYCHGEC PFS LTISLNSSNY AFMQALMHAV DPEIPQAVCI PTKLSPISML YQDNNDNVIL RHYEDMVVDE CGCG
Molecular weight	26 kDa
Class	Recombinant
Type	Protein
Purity	98% by SDS-PAGE gel and HPLC analyses.
Endotoxin concentration	<1 EU/μg
Activity	Determined by its ability to inhibit induced alkaline phosphatase production by ATDC-5 chondrogenic cells. The ED50 for this effect is 100-150 ng/ml.
Conjugate	Unconjugated
Form	Lyophilized
Purification	HPLC, SDS-PAGE
Contains	no preservative
Storage conditions	-20°C

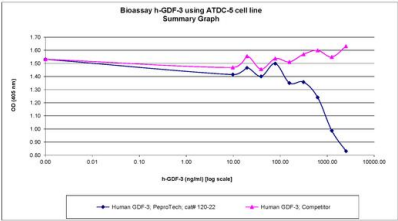
Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	-
ELISA (ELISA)	Assay-dependent	-
Functional Assay (FN)	Assay-dependent	-
In vitro Assay (IV)	-	2 Publications

Product Specific Information

Recombinant Human GDF-3 is a 26.0 kDa non-disulfide-linked homodimer containing two 114 amino acid polypeptide chains.

This product is shipped at ambient temperature. For storage, handling and reconstitution information, please see the lot-specific Certificate of Analysis

Product Images For Human GDF-3 Recombinant Protein, PeptoTech®



Human GDF-3 Protein (120-22-1MG) in FN
Bioassay analysis of Human GDF-3 Recombinant Protein, PeptoTech® (Product # 120-22-1MG).

2 References

In vitro Assay (2)

<p>Mechanisms of development</p> <p>Activin/TGF-beta signaling regulates Nanog expression in the epiblast during gastrulation.</p> <p>"120-22 was used in In vitro experiments to study in vivo evidence for the involvement of the Activin/TGF-beta signaling pathway in regulating Nanog expression in epiblast cells during gastrulation in the chick model."</p> <p>Authors: Shin M,Alev C,Wu Y,Nagai H,Sheng G</p>	<p>Year 2011</p> <p>Species Chicken</p>
<p>Developmental biology</p> <p>GDF3 is a BMP inhibitor that can activate Nodal signaling only at very high doses.</p> <p>Authors: Levine AJ,Levine ZJ,Brivanlou AH</p>	<p>Year 2009</p> <p>Species Amphibian</p>

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