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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

GDF11 (Human) Recombinant Protein

Catalog Number: P8697

Regulation Status: For research use only (RUO)

Product Description: Human GDF11 recombinant protein expressed in *Escherichia coli*.

Sequence:

NLGLDCDEHSSESRCRYPLTVDFEAFGWDWIAPKR
YKANYCSGQCEYMFQMKYPHHLVQQANPRGSAGP
CCTPTKMSPINMLYFNDKQKQIYGKIPGMVVDRCGCS

Host: *Escherichia coli*

Theoretical MW (kDa): 24.9

Protocols: See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Form: Lyophilized

Preparation Method: *Escherichia coli* expression system

Purity: > 95% as determined by SDS-PAGE.

Activity: ED₅₀ < 0.2-0.3 ng/mL, measured by the ability to inhibit alkaline phosphatase activity in ATDC5 cells, corresponding to a specific activity of 5 x 10⁶ units/mg.

Storage Buffer: Protein(1 mg/mL) was lyophilized from a solution containing 0.1% TFA. Reconstitute the lyophilized powder in ddH₂O to 100 ug/mL.

Storage Instruction: Lyophilized protein at room temperature for 3 weeks, should be stored at -20°C. Protein aliquots at 4°C for 2-7 days and should be stored at -20°C to -80°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).
Avoid repeated freeze/thaw cycles.

Entrez GeneID: 10220

Gene Symbol: GDF11

Gene Alias: BMP-11, BMP11

Gene Summary: 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. Studies in mice and *Xenopus* suggest that this protein is involved in mesodermal formation and neurogenesis during embryonic development. [provided by RefSeq]