Human GDF-3

Synonyms: Growth Differentiation Factor 3, Growth/Differentiation Factor 3 , MCOPCB6, MCOP7, GDF-3, KFS3.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
5 µg	1435.950.005		
20 µg	1435.950.020		
1 mg	1435.950.199		

Please enquire for bulk quantities and other vial sizes

Description

GDF3 Human Recombinant produced in *E.Coli* is a single, non-glycosylated, polypeptide chain containing 124 amino acids and having a total molecular mass of 14.15 kDa.GDF3 is fused to a 10 amino acid His Tag at N-terminus.

- **Source** *E. Coli*
- **Purity** ≥ 90 % (SDS-PAGE)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** The protein was lyophilized from a concentrated solution (0.5mg/ml) containing 30mM Acetate buffer pH-4*
- **Physical state** Filtered white lyophilized (freeze-dried) powder

Reconstitution

It is recommended to reconstitute the lyophilized GDF3 in sterile 100mM Acetate buffer pH-4 at a concentration of 0.5mg/ml. For the dilution into higher pH values, it is recommended to dilute the protein to a concentration of 10µg/ml. Please note that in higher concentrations the solubility of GDF3 is limited. The protein is not sterile! Please sterile filter before using it in the cell culture.

Stability

Lyophilized GDF3 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution GDF3 should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). **Please avoid repeated freeze-thaw cycles**.

Amino Acid Sequence

MKHHHHHHAS AAIPVPKLSC KNLCHRHQLF INFRDLGWHK WIIAPKGFMA NYCHGECPFS LTISLNSSNY AFMQALMHAV DPEIPQAVCI PTKLSPISML YQDNNDNVIL RHYEDMVVDE CGCG

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

ORDERING
Tel.: +49 40 43208448-0
order@active-bioscience.de
www.active-bioscience.de

TECHNICAL SUPPORT
Tel.: +49 40 43208448-11
support@active-bioscience.de

Active Bioscience GmbH
Oberaltenallee 8
D-22081 Hamburg
HRB 98170 Amtsgericht Hamburg