CHASELECTION

Recombinant Human GDF-15

Catalog Number:CY055F0XXX

Synonym： Growth/Differentiation Factor-15,MIC- 1, Macrophage Inhibitory Cytokine 1, Placental TG Fβ, Prostate Differentiation Factor (PDF), PLAB, NRG-1

Source： E.coli

Structure:

This protein carries no tag.

Assession Number: Q99988 **Gene ID：** 9518

AA Sequence:

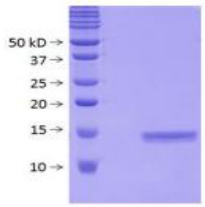
ARNGDHCPLG PGRCCRLHTV RASLEDLGWADWV LSPREVQVTMCIGACPS QFRAANMHAQIKTSLHRL KP DTVPAPCCVP ASYNPMVLIQ KTDTGVSLQTYDDLLAKDCH CI

Molecular Weight： 24.8 kDa

Purity:

≥95 % as determined by SDS-PAGE & HPLC.

SDS-PAGE



Endotoxin： < 0.5 EU/μg

Formulation:

20mM sodium acetate, 2% glycerol，pH 5.5

Reconstitution:

1. Before opening, please briefly centrifuge the contents to the bottom;
2. It is recommended to initially dissolve in sterile deionized water to an appropriate concentration (recommended concentration is 0.2-1mg/ml);
3. If further dilution is required, it is recommended to dilute the solution with a solution containing carrier proteins (such as 0.1% BSA, 10% FBS, and 5% HSA).

Shipping & Storage:

The product is shipped with blue ice.

If long-term storage is required, this product should be stored at ≤ -20 ℃, please avoid repeated freeze-thaw cycles.

1. Dry powder can be stored at ≤ -20 for at least 24 months;
2. After reconstitution, it can be stored for 1 month under sterile conditions at 2-8 ℃ ;
3. After reconstitution, it can be stored for 12 months under sterile conditions at -20~ -70℃.

Introduction:

GDF-15 belongs to the TGF-β cytokine family, whose members play an important role during prenatal development and postnatal growth, and the remodeling and maintenance of a variety of tissues and organs. GDF-15 is expressed predominantly in the placenta and, to a much lesser extent, in various other tissues. The presence of GDF-15 in amniotic fluid and its elevated levels in the sera of pregnant women suggest GDF-15's involvement in gestation and embryonic development. GDF-15 generally exerts tumor suppressive activities and is one of the predominant factors produced and secreted in response to activation of the p53 pathway. Interestingly, the serum level of GDF-15 is positively correlated with neoplastic progression of several tumor types, including certain colorectal, pancreatic, and prostate cancers.