ARG70098
Human GDF7 recombinant protein (Active) (His-tagged, C-ter)

Package: 100 µg, 20 µg
Store at: -20°C

Summary

Product Description	E. coli expressed, His-tagged (C-ter) Active Human GDF7 recombinant protein
Tested Application	SDS-PAGE
Target Name	GDF7
Species	Human
A.A. Sequence	Lys352 - Arg450
Expression System	E. coli
Activity	Active
Activity Note	Determined by its ability to induce alkaline phosphatase production by ATDC5 cells. The ED50 for this effect is < 2 µg/mL.
Alternate Names	Growth/differentiation factor 7; BMP12; GDF-7

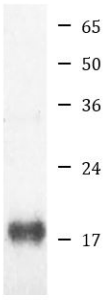
Properties

Form	Powder
Purification Note	Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.
Purity	> 98% (by SDS-PAGE)
Buffer	20 mM sodium citrate and 0.2 M NaCl (pH 3.5)
Reconstitution	It is recommended to reconstitute the lyophilized protein in 4 mM HCl to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	GDF7
Gene Full Name	growth differentiation factor 7
Background	This gene encodes a member of the bone morphogenetic protein (BMP) family. BMPs belong to the transforming growth factor-beta superfamily of secreted signalling molecules that regulate diverse processes in growth, repair and embryonic development. In mouse, this gene functions as an inductive signal from the roof plate required for the specification of neuronal identity in the dorsal spinal cord. [provided by RefSeq, Jul 2008]
Function	May play an active role in the motor area of the primate neocortex. [UniProt]
Cellular Localization	Secreted. [UniProt]

Images



Human GDF7
recombinant protein

ARG70098 Human GDF7 recombinant protein (Active) (His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70098 Human GDF7 recombinant protein (Active) (His-tagged, C-ter).