

Datasheet for ABIN2468476 **GDF7 Protein**



[Go to Product page](#)

Overview

Quantity: 0.002 mg

Target: GDF7

Origin: Human

Source: Escherichia coli (E. coli)

Protein Type: Recombinant

Biological Activity: Active

Product Details

Sequence: TALAGTRTAQ GSGGGAGRGH GRRGRSRCSR KPLHVDFKEL GWDDWIIAPL DYEAYHCEGL
CDFPLRSHLE PTNHAIQTL LNSMAPDAAP ASCCVPARLS PISILYIDAA NNVVYKQYED
MVVEACGCR

Characteristics: Biological activity was determined by its ability to inhibit induced alkaline phosphatase production by ATDC-5 chondrogenic cells.

Purity: < 98 % by SDS-PAGE gel and HPLC analyses.

Target Details

Target: GDF7

Alternative Name: GDF-7 ([GDF7 Products](#))

Background: GDF-7 belongs to the TGF-beta superfamily of growth and differentiation factors. It is expressed selectively by roof plate cells that are located in the developing embryonic central nervous system, and has been shown to influence the neuronal identity of cells within the

Target Details

central nervous system. GDF-7 has also been implicated in the formation, maintenance, and repair of certain cartilage and ligament tissue. Recombinant human GDF-7 is a 28 kDa disulfide linked homodimer containing two 129 amino acid residues.

Gene ID: 151449

NCBI Accession: [NP_878248](#)

OMIM: 61835232

UniProt: [Q7Z4P5](#)

Pathways: [Tube Formation](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Handling Advice: As with any protein, exposing GDF-7 recombinant protein to repeated freeze / thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.

Storage: -20 °C

Storage Comment: The recombinant protein is stable for at least 2 years from date of receipt at -20 °C.
Reconstituted GDF-7 stable for at least 3 months when stored in working aliquots with a carrier protein at -20 °C.

Expiry Date: 24 months