abcam

Product datasheet

Recombinant human FGF9/GAF protein (Active) ab269162

2 Images

Description

Product name	Recombinant human FGF9/GAF protein (Active)
Biological activity	3T3 cell proliferation ED_{50} ≤ 2 ng/mL (≥ 5.0 x 10^5 units/mg).
Purity	> 95 % SDS-PAGE. NULL
Endotoxin level	< 1.000 Eu/µg
Expression system	Escherichia coli
Accession	P31371
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MPLGEVGNYF GVQDAVPFGN VPVLPVDSPV LLSDHLGQSE AGGLPRGPAV TDLDHLKGIL RRRQLYCRTG FHLEIFPNGT IQGTRKDHSR FGILEFISIA VGLVSIRGVD SGLYLGMNEK GELYGSEKLT QECVFREQFE ENWYNTYSSN LYKHVDTGRR YYVALNKDGT PREGTRTKRH QKFTHFLPRP VDPDKVPELY KDILSQS
Amino acids	3 to 208
Additional sequence information	Mature chain

Specifications

Our **Abpromise guarantee** covers the use of **ab269162** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Functional Studies SDS-PAGE
Form	Lyophilized

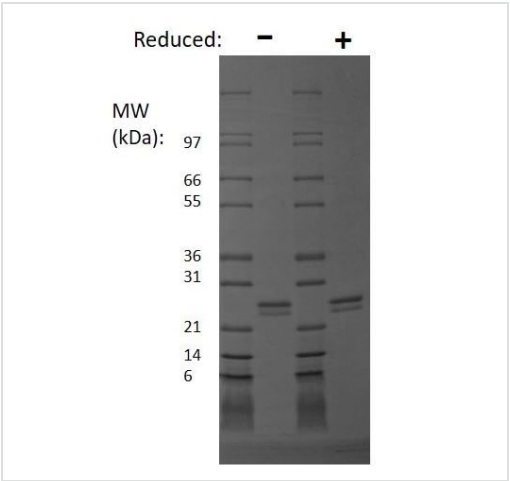
Preparation and Storage

Stability and Storage	Shipped at Room Temperature. Upon delivery aliquot. Store at -20°C or -80°C. Working aliquots stored with a carrier protein are stable for at least 3 months at -20°C to -80°C.. Constituents: 0.16% Sodium phosphate, 0.29% Sodium chloride 50mM Sodium Sulfate. Lyophilized from. This product is an active protein and may elicit a biological response in vivo, handle with caution.
Reconstitution	Sterile water at 0.1 mg/mL

General Info

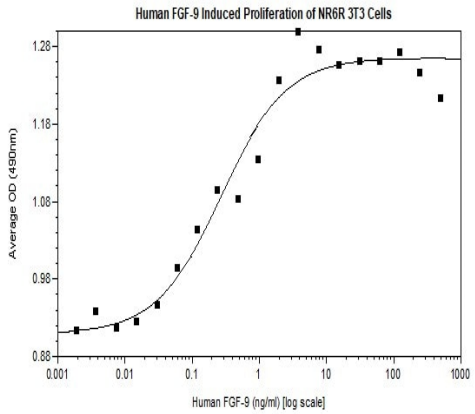
Function	May have a role in glial cell growth and differentiation during development, gliosis during repair and regeneration of brain tissue after damage, differentiation and survival of neuronal cells, and growth stimulation of glial tumors.
Tissue specificity	Glial cells.
Involvement in disease	Defects in FGF9 are the cause of multiple synostoses syndrome type 3 (SYNS3) [MIM:612961]. Multiple synostoses syndrome is an autosomal dominant condition characterized by progressive joint fusions of the fingers, wrists, ankles and cervical spine, characteristic facies and progressive conductive deafness.
Sequence similarities	Belongs to the heparin-binding growth factors family.
Post-translational modifications	Three molecular species were found (30 kDa, 29 kDa and 25 kDa), cleaved at Leu-4, Val-13 and Ser-34 respectively. The smaller ones might be products of proteolytic digestion. Furthermore, there may be a functional signal sequence in the 30 kDa species which is uncleavable in the secretion step. N-glycosylated.
Cellular localization	Secreted.

Images



SDS-PAGE - Recombinant human FGF9 protein (Active) (ab269162)

SDS-PAGE analysis of ab269162 at 1ug/lane under (-) non-reducing and (+) reducing conditions. 4-20% Tris glycine gel. Stained with coomassie blue.



Biological activity graph of ab269162

Functional Studies - Recombinant human FGF9 protein (Active) (ab269162)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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