abcam

Product datasheet

Recombinant human FGFBP1 protein (Active) ab238346

Description

Product name	Recombinant human FGFBP1 protein (Active)
Biological activity	Determined by the dose-dependent stimulation of thymidine uptake by BaF3 cells expressing FGF receptors. The expected ED_{50} for this effect is 1.5-3.0 µg/ml.
Purity	> 95 % SDS-PAGE. Greater than 95% by HPLC analyses.
Expression system	Escherichia coli
Accession	Q14512
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MKKKVKNGLHSKVVSEQKDTLGNTQIKQKSRPGNKGKFV TKDQANCRWAA TEQEEGISLKVECTQLDHEFSCVFAGNPTSCLKLKDERVY WKQVARNLRS QKDICRYSKTAVKTRVCRKDFPESSLKLVSSTLFGNTKPR KEKTEMSPRE HIKGKETTPSSLAVTQTMATKAPECVEDPDMANQRKTAL EFCGETWSSLC TFFLSIVQDTSC
Predicted molecular weight	24 kDa
Amino acids	24 to 234
Additional sequence information	Mature full-length chain lacking the signal peptide.

Specifications

Our **Abpromise guarantee** covers the use of **ab238346** 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
	HPLC

Form	Lyophilized

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. Constituent: 0.29% Sodium citrate This product is an active protein and may elicit a biological response in vivo, handle with caution.
Reconstitution	Reconstitute in water to 0.1 - 1.0 mg/ml.

General Info

Function	Acts as a carrier protein that release fibroblast-binding factors (FGFs) from the extracellular matrix (EM) storage and thus enhance the mitogenic activity of FGFs. Enhances FGF2 signaling during tissue repair, angiogenesis and in tumor growth.
Tissue specificity	Expressed in the suprabasal region of the epidermis, in hair follicles, the basement membrane at the dermo-epidermal junction (occasionally extending into the basement membrane of dermal blood vessels), wounded skin and several invasive squamous cell carcinomas (at protein level). Expressed in normal and wounded skin and various squamous cell carcinomas.
Sequence similarities	Belongs to the fibroblast growth factor-binding protein family.
Cellular localization	Secreted, extracellular space. Cell membrane. Extracellular and plasma membrane-associated. Colocalizes with HSPG2 in the pericellular environment of squamous cell carcinomas.

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