

Product datasheet

Recombinant human FSTL1/FRP protein (Active)
ab245801

Description

Product name	Recombinant human FSTL1/FRP protein (Active)	
Biological activity	Measured by its binding ability in a functional ELISA. When ab245801 is coated at 200 ng/well, the concentration of recombinant human BMP-4 that produces 50% of the optimal binding response is found to be approximately 250 ng/mL.	
Purity	> 95 % SDS-PAGE. > 95 % by HPLC.	
Expression system	CHO cells	
Accession	Q12841	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	EEELRSKSKICANVFCGAGRECAVTEKGEPTCLCIEQCKP HKRPVCGSNG KTYLNHCELHRDACLTGSKIQVDYDGHCKEKKSVSPSAS PVVCYQSNRDE LRRRIQWLEAEIIPDGFWSKGSNYSEILDKYFKNFDNGDSR LDSSEFLK FVEQNETAINITYPDQENKLLRGLCVDALIELSDENADW KLSFQEFLK CLNPSFNPPEKKCALEDETYADGAETEVDNRCVCACG NWCCTAMTCDGK NQKGAQTQTEEMTRYVQELQKHQETAETKRVSTKEI	
Predicted molecular weight	33 kDa	
Amino acids	21 to 308	
Additional sequence information	Full length mature chain without signal peptide.	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab245801** 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
Additional notes	Due to glycosylation, protein migration occurs at an apparent molecular weight of approximately 50-55 kDa by SDS-PAGE analysis under both reducing and non-reducing conditions. This product was previously labelled as FSTL1

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: 0.16% Sodium phosphate 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	May modulate the action of some growth factors on cell proliferation and differentiation. Binds heparin.
Tissue specificity	Overexpressed in synovial tissues from rheumatoid arthritis.
Sequence similarities	Contains 2 EF-hand domains. Contains 1 follistatin-like domain. Contains 1 Kazal-like domain. Contains 1 VWFC domain.
Cellular localization	Secreted.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors