abcam

Product datasheet

Recombinant Human Histatin-3 protein ab158710

1 Image

Description

Product name	Recombinant Human Histatin-3 protein
Expression system	Wheat germ
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MKFFVFALILALMLSMTGADSHAKRHHGYKRKFHEKHHSH RGYRSNYLYD N
Amino acids	1 to 51
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab158710** in the following tested applications.

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

Applications	ELISA Western blot
Form	Liquid
Additional notes	Protein concentration is above or equal to 0.05 mg/ml.

Preparation and Storage

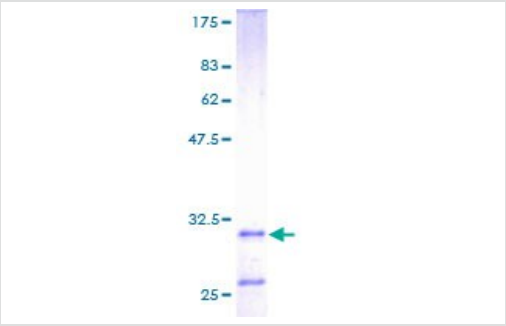
Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function	Histatins are salivary proteins that are considered to be major precursors of the protective proteinaceous structure on tooth surfaces (enamel pellicle). In addition, histatins exhibit

	antibacterial and antifungal activities. His3-(20-43)-peptide (histatin-5) is especially effective against C.albicans and C.neoformans, and inhibits Lys-gingipain and Arg-gingipain (rgpB) from P.gingivalis. In addition, His3-(20-43)-peptide is a potent inhibitor of metalloproteinases MMP2 and MMP9.
Sequence similarities	Belongs to the histatin/statherin family.
Post-translational modifications	24 proteolytic products are found in saliva.
Cellular localization	Secreted. Secreted by serous acinar and demilune cells.

Images



SDS-PAGE - Recombinant Human Histatin-3 protein (ab158710)

ab158710 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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

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