Datasheet for ABIN1880585

HTN3 Protein (AA 20-51)

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Overview

Quantity:	50 µg
Target:	HTN3
Protein Characteristics:	AA 20-51
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human Histatin-3/HTN3
Sequence:	GHMDSHAKRH HGYKRKFHEK HHSHRGYRSN YLYDN
Characteristics:	Recombinant Human Histatin-3/HTN3 is produced with our E. coli expression system. The target protein is expressed with sequence (Asp20-Asn51) of Human HTN3 fused with a GST tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	HTN3
Alternative Name:	HTN3 (HTN3 Products)

Target Details

Sub Type:	Fusionprotein
Background:	HTN3 belongs to the histatin/statherin family. 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. Post-translational proteolytic processing results in many histatins: e.g., histatins 4-6 are derived from histatin 3 by proteolysis. Histatins 1 and 3 are primary products of HIS1and HIS2 alleles, respectively. Histatins are believed to have important non-immunological, anti-microbial function in the oral cavity. Alternative Names: Histatin-3, Basic histidine-rich protein, Histidine-rich protein 3, PB, HTN3.
Molecular Weight:	4.4 kDa
UniProt:	P15516

Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Supplied as a 0.2 µm filtered solution of PBS, pH 7.4.
Storage:	-80 °C
Storage Comment:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Expiry Date:	6 months