Recombinant Human Histatin-3/HTN3 Protein

Catalog Number:PKSH032548

Note: Centrifuge before opening to ensure complete recovery of vial contents.

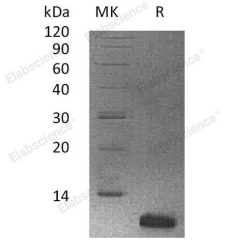
Description

Synonyms	Histatin-3;Basic histidine-rich protein;Histidine-rich protein 3;PB;HTN3.
Species	Human
Expression Host	E.coli
Sequence	Asp20-Asn51
Accession	P15516
Calculated Molecular Weight	4.0 kDa
Observed molecular weight	10-12 kDa
Tag	None

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH7.4.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

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.

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