



Recombinant Protein Technical Manual

Recombinant Human Histatin-3/HTN3 Protein

RPES0806

Product Data:

Product SKU: RPES0806

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P15516

Protein Information:

Molecular Mass: 4.0 kDa

AP Molecular Mass: 102 kDa

Tag:

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg 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, pH 7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Histatin-3; Basic histidine-rich protein; Histidine-rich protein 3; PB; HTN3.

Immunogen Information:

Sequence: Asp20-Asn51

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 HIS1 and HIS2 alleles, respectively. Histatins are believed to have important non-immunological, anti-microbial function in the oral cavity.