



Recombinant Protein Technical Manual
Recombinant Human Statherin/STATH Protein (Fc
Tag)
RPES3605

Product Data:

Product SKU: RPES3605

Size: 20µg

Species: Human

Expression host: HEK293 Cells

Uniprot: P02808

Protein Information:

Molecular Mass: 31.6 kDa

AP Molecular Mass: 36 kDa

Tag: C-Fc

Bio-activity:

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

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile PBS, pH 7.4

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

Application:

Synonyms: STATH;STR

Immunogen Information:

Sequence: Met 1-Phe62

Background:

Statherin, also known as STATH, belongs to the histatin/statherin family. Statherin may play an important role in the maintenance of oral health. It prevents calcium phosphate precipitation in saliva, so maintaining a high calcium level in saliva and preventing teeth from dissolving. Statherin also inhibits spontaneous precipitation of calcium phosphate salts. Thus, statherin and PRPs may prevent build-up of harmful deposits in the salivary glands and on the tooth surfaces. Statherin is a highly stable salivary protein of low molecular mass (5,380). Sabatini et al. synthesized mixed oligonucleotides based on the known amino acid sequence of statherin and used these to screen a cDNA library constructed from human parotid gland mRNA.