

## Statherin Protein, Human (HEK293, Fc)

Cat. No.:	HY-P76665
Synonyms:	Statherin; STATH
Species:	Human
Source:	HEK293
Accession:	P02808-1 (M1-F62)
Gene ID:	6779
Molecular Weight:	Approximately 36 kDa.

### PROPERTIES

AA Sequence	M K F L V F A F I L    A L M V S M I G A D    S S E E K F L R R I    G R F G Y G Y G P Y Q P V P E Q P L Y P    Q P Y Q P Q Y Q Q Y    T F
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice

### DESCRIPTION

Background	Statherin, a salivary protein, serves as a crucial regulator in maintaining saliva supersaturated with calcium salts by effectively inhibiting the precipitation of calcium phosphate salts. Beyond its role in preventing the unwanted crystallization of calcium phosphate, statherin plays a significant role in modulating the formation of hydroxyapatite crystals on the tooth surface. This dual function underscores the importance of statherin in dental health, contributing to the prevention of undesirable mineral deposition and influencing the dynamics of tooth mineralization.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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