For Research Use Only Recombinant Human Stanniocalcin 2 protein (rFc Tag)



Catalog Number: Eg3119

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE		
	Endotoxin Level: <0.1 EU/ µ g protein, L/	AL method	
	<mark>Source:</mark> HEK293-derived Human Stanniocalcin 2 protein Thr25-Arg302 (Accession# 076061) with a rabbit IgG Fc tag at the C-terminus.		
	GenelD: 8614		
	Accession: 076061		
	Predicted Molecular Mass: 56.7 kDa		
	SDS-PAGE: 55-65 kDa, reducing (R) conditions		
	Formulation: Lyophilized from 0.22 protectants before lyo	μ m filtered solution in PBS, pH 7.4. Normally ophilization.	75% trehalose and 5% mannitol are added as
Biological Activity	Not tested		
Storage and Shipping	Storage: It is recommended that	at the protein be aliquoted for optimal storag	ge. Avoid repeated freeze-thaw cycles.
	 Until expiry d 3 months, -20 	ate, -20 $^\circ\!$	constitution.
	Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the	tube before opening. Reconstitute at 0.1-0.5	mg/mL in sterile water.
Background	STC2 (Stanniocalcin 2) belongs to the highly conserved family of secreted glycoprotein hormones, which are glycoproteins. STC2 acts as a glycosylated disulfide-linked dimeric protein hormone that regulates calcium and phosphate secretion. STC2 is highly expressed in breast, muscle, cardiac, testicular and pancreatic tissues, and plays a role in a wide variety of biological processes, including calcium and phosphate regulation, cytoprotection, cell development and angiogenesis. STC2 expression appears significantly altered in a variety of tumor cells and tumor tissues, suggesting that it may be involved in tumorigenesis, development and prognosis. (PMID: 36764215)		
References	1.Jiang K, et al. Redox Biol. 2023;60:102626. 2. Qie S, Sang N. J Exp Clin Cancer Res. 2022;41(1):161. 3. Jiang ZH, et al. Front Genet. 2022;13:927046.		
Synonyms	stanniocalcin 2, STC2, S	Stanniocalcin related protein, Stanniocalcin-2	2, Stanniocalcin-related protein

Selected Validation Data



Purity of Recombinant Human Stanniocalcin 2 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.