

# **Product datasheet**

info@arigobio.com

## ARG81573 Human Stanniocalcin 1 ELISA Kit

Package: 96 wells Store at: 4°C

## Component

Cat. No.	Component Name	Package	Temp
ARG81573-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81573-002	Standard	2 X 10 ng/vial	4°C
ARG81573-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81573-004	Antibody conjugate concentrate (100X)	1 vial (100 μl)	4°C
ARG81573-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81573-006	HRP-Streptavidin concentrate (100X)	1 vial (100 μl)	4°C
ARG81573-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81573-008	25X Wash buffer	20 ml	4°C
ARG81573-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81573-010	STOP solution	10 ml (Ready to use)	4°C
ARG81573-011	Plate sealer	4 strips	Room temperature

### **Summary**

Product Description	ARG81573 Human Stanniocalcin 1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of			
	Human Stanniocalcin 1 in serum, plasma (heparin, EDTA) and cell culture supernatants.			

Tested Reactivity Hu

Tested Application ELISA

**Specificity** There is no detectable cross-reactivity with other relevant proteins.

Target Name Stanniocalcin 1

Conjugation HRP

Conjugation Note Substrate: TMB and read at 450 nm.

Sensitivity 15.6 pg/ml

Sample Type Serum, plasma (heparin, EDTA) and cell culture supernatants.

Standard Range 31.2 - 2000 pg/ml

Sample Volume  $100 \ \mu l$ 

Precision Intra-Assay CV: 5.1%

Inter-Assay CV: 5.8%

Alternate Names Stanniocalcin-1; STC-1; STC

## **Application Instructions**

Assay Time ~ 5 hours

#### **Properties**

Form 96 well

Storage instruction Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test

reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual

for detail temperatures of the components.

Note For laboratory research only, not for drug, diagnostic or other use.

#### Bioinformation

Gene Symbol STC1

Gene Full Name stanniocalcin 1

Background This gene encodes a secreted, homodimeric glycoprotein that is expressed in a wide variety of tissues

and may have autocrine or paracrine functions. The gene contains a 5' UTR rich in CAG trinucleotide repeats. The encoded protein contains 11 conserved cysteine residues and is phosphorylated by protein kinase C exclusively on its serine residues. The protein may play a role in the regulation of renal and

intestinal calcium and phosphate transport, cell metabolism, or cellular calcium/phosphate

homeostasis. Overexpression of human stanniocalcin 1 in mice produces high serum phosphate levels, dwarfism, and increased metabolic rate. This gene has altered expression in hepatocellular, ovarian,

and breast cancers. [provided by RefSeq, Jul 2008]

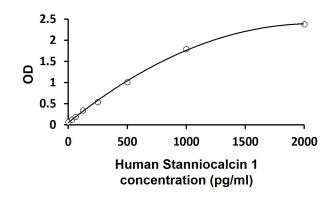
Function Stimulates renal phosphate reabsorption, and could therefore prevent hypercalcemia. [UniProt]

Highlight Related products:

Stanniocalcin antibodies; Stanniocalcin ELISA Kits;

New ELISA data calculation tool: Simplify the ELISA analysis by GainData

#### **Images**



ARG81573 Human Stanniocalcin 1 ELISA Kit standard curve image

ARG81573 Human Stanniocalcin 1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.