

Datasheet for ABIN5510660

R-Spondin 4 ELISA Kit**1** Image[Go to Product page](#)

Overview

Quantity:	96 tests
Target:	R-Spondin 4 (RSP04)
Binding Specificity:	AA 20-234
Reactivity:	Human
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Human R-Spondin-4
Brand:	PicoKine™
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Expression system for standard: NSO Immunogen sequence: L20-P234
Cross-Reactivity (Details):	There is no detectable cross-reactivity with other relevant proteins.

Target Details

Target:	R-Spondin 4 (RSP04)
Alternative Name:	RSP04 (RSP04 Products)
Background:	Protein Function: Activator of the canonical Wnt signaling pathway by acting as a ligand for

Target Details

LGR4-6 receptors. Upon binding to LGR4-6 (LGR4, LGR5 or LGR6), LGR4-6 associate with phosphorylated LRP6 and frizzled receptors that are activated by extracellular Wnt receptors, triggering the canonical Wnt signaling pathway to increase expression of target genes. Also regulates the canonical Wnt/beta-catenin-dependent pathway and non-canonical Wnt signaling by acting as an inhibitor of ZNRF3, an important regulator of the Wnt signaling pathway. .

Background: R-spondin 4 is a protein in humans that is encoded by the RSPO4 gene. It is mapped to chromosome 20p13. This gene encodes a member of the R-spondin family of proteins that share a common domain organization consisting of a signal peptide, cysteine-rich/furin-like domain, thrombospondin domain and a C-terminal basic region. The encoded protein may be involved in activation of Wnt/beta-catenin signaling pathways. Mutations in this gene are associated with anonychia congenital. Alternate splicing results in multiple transcript variants.

Synonyms: R-spondin-4, Roof plate-specific spondin-4, hRspo4, RSPO4, C20orf182,

Full Gene Name: R-spondin-4

Cellular Localisation: Secreted.

UniProt: [Q2I0M5](#)

Application Details

Plate: Pre-coated

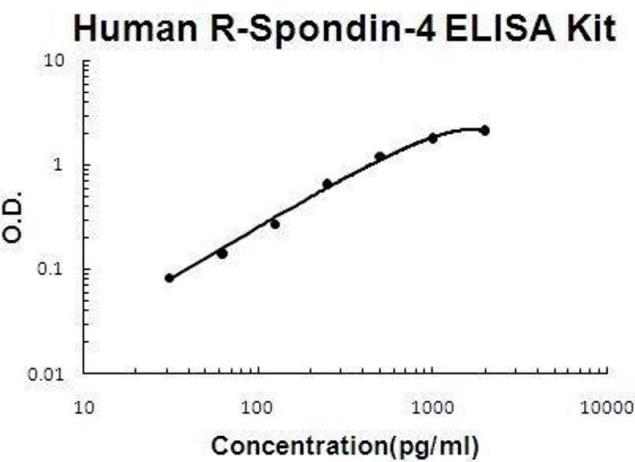
Restrictions: For Research Use only

Handling

Storage: 4 °C, -20 °C

Storage Comment: Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

Expiry Date: 12 months



ELISA

Image 1. Human R-Spondin-4 PicoKine ELISA Kit standard curve