

Datasheet for ABIN7317314 **TSPAN1 Protein (Fc Tag)**



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	TSPAN1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TSPAN1 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human TSPAN1 Protein (aa 110-211, Fc Tag)
Sequence:	Tyr110-Asn211
Characteristics:	A DNA sequence encoding the human TSPAN1 (O60635)(Tyr110-Asn211) was expressed with the Fc region of rabbit IgG at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	TSPAN1
Alternative Name:	TSPAN1 (TSPAN1 Products)
Background:	Background: TSPAN1 belongs to the transmembrane 4 superfamily, also known as the tetraspanin family. Tetraspanins have four hydrophobic domains, intracellular N- and C-termini and two extracellular domains. Tetraspanins act as scaffolding proteins, anchoring multiple

Target Details

proteins to one area of the cell membrane. They also mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. TSPAN1 interacts with human thiamine transporter-1 (hTHTR-1). HTHT-1 contributes to intestinal thiamine uptake, and its function is regulated at both the transcriptional and posttranscriptional levels. TSPAN1 and hTHTR-1 colocalize in human intestinal epithelial HuTu-80 cells. Coexpression of TSPAN1 in these cells led to a significant decrease in the rate of degradation of hTHTR-1 compared with cells expressing the hTHTR-1 alone, in fact the half-life of the TSPAN1 protein was twice longer in the former cell type compared with the latter cell type.

Synonym: NET1,TM4C,TM4SF,TSPAN1

Molecular Weight: 39.1 kDa

UniProt: [O60635](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

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

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, 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.