

## Datasheet for ABIN7317921 **ROBO2 Protein (His tag)**



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### Overview

Quantity:	100 µg
Target:	ROBO2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ROBO2 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human ROBO2 Protein (His Tag)
Sequence:	Met 1-Pro859
Characteristics:	A DNA sequence encoding the human ROBO2 (Q9HCK4-1) (Met1-Pro859) was expressed with a polyhistidine tag at the C-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:	ROBO2
Alternative Name:	ROBO2 ( <a href="#">ROBO2 Products</a> )
Background:	Background: ROBO2 belongs to the ROBO family. Members of the ROBO family are a group of highly conserved transmembrane glycoproteins that make up a small subgroup of the immunoglobulin (Ig) superfamily. They are best known for their roles as receptors for the Slit

## Target Details

family of repellent axon guidance cues. In structure, ROBOs are characterized by five C2-type Ig-like repeats, three fibronectin type III domains, a transmembrane region, and an intracellular domain with three (ROBO3) or four (ROBO1, 2) CC (conserved cytoplasmic) motifs. ROBO2 is a receptor for SLIT2, and probably SLIT1, which are thought to act as molecular guidance cue in cellular migration, including axonal navigation at the ventral midline of the neural tube and projection of axons to different regions during neuronal development. ROBO2 also abrogates SLIT-ROBO signaling in vitro.

Synonym: KIAA1568,ROBO2,SAX3

Molecular Weight: 94.2 kDa

Pathways: [Regulation of Cell Size](#)

## 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.