

Datasheet for ABIN7273829

AMIGO2 Protein (AA 40-398) (His tag)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	AMIGO2
Protein Characteristics:	AA 40-398
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AMIGO2 protein is labelled with His tag.

Product Details

Purpose:	Human AMIGO2 Protein
Sequence:	Val40-Thr398
Characteristics:	Recombinant Human AMIGO2 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Val40-Thr398.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	AMIGO2
Alternative Name:	AMIGO2 (AMIGO2 Products)

Target Details

Background:	Bromodomain and extraterminal domain inhibitors (BETi) represent promising therapeutic agents for metastatic melanoma, yet their mechanism of action remains unclear. Here we interrogated the transcriptional effects of BETi and identified AMIGO2, a transmembrane molecule, as a BET target gene essential for melanoma cell survival. AMIGO2 is upregulated in melanoma cells and tissues compared to human melanocytes and nevi, and AMIGO2 silencing in melanoma cells induces G1/S arrest followed by apoptosis.
Molecular Weight:	42 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Tris-Bis PAGE result.
UniProt:	Q86SJ2

Application Details

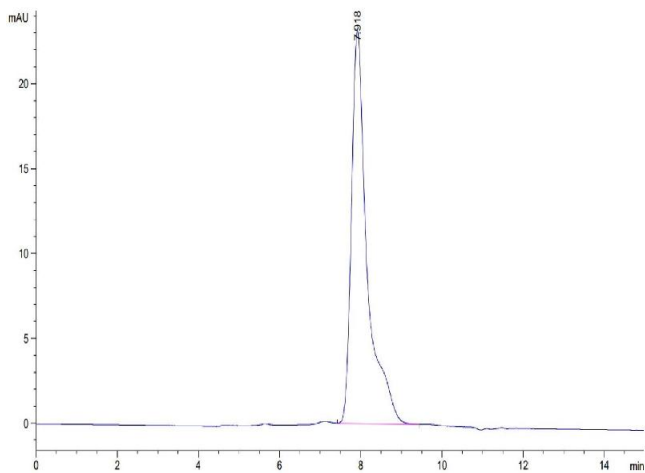
Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Human AMIGO2 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 2. Human AMIGO2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .