

Rev04
 Update: Aug,20,2025

DATASHEET

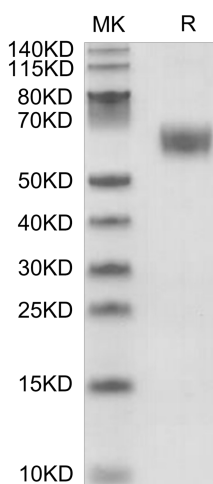
AMIGO2, His, Mouse

Cat. No.: Z05997

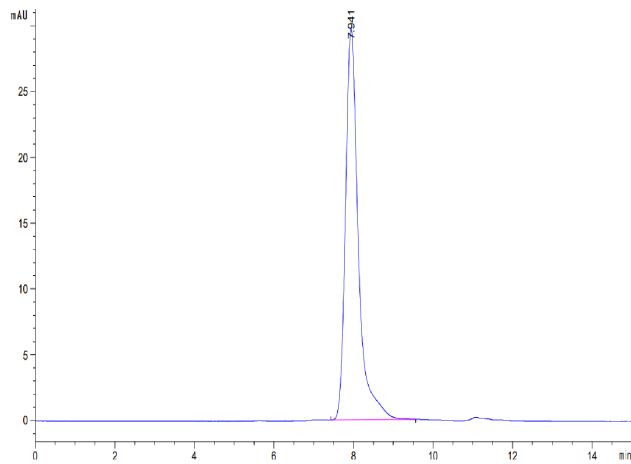
Product Introduction

Species	Mouse
Protein Construction	<div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> AMIGO2 (Met39-Thr397)_x000D_ Accession # Q80ZD9 </div> <div style="background-color: #76923c; color: white; padding: 5px; text-align: center; margin-left: 10px;"> His </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px; font-size: small;"> N-term C-term </div>
Purity	> 95% as determined by BisTris PAGE
Endotoxin Level	Less than 1EU per µg by the LAL method.
Expression System	HEK293
Theoretical Molecular Weight	41.8 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 55-65 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable for 6 months at -20°C or below. Upon reconstitution, the product should be stable for 3 months at -80°C. Avoid repeated freeze-thaw cycles.

Examples



AMIGO2, His, Mouse on Bis-Tris PAGE under reduced condition.
 The purity is greater than 95%.



The purity of AMIGO2, His, Mouse is greater than 95% as determined by SEC-HPLC.

Background

Target 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.

Synonyms : Amphotein-induced protein 2; AMIGO-2; Alivin-1; DEGA; AMIGO2; ALI1; alivin 1

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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