Recombinant Human AMIGO2 Protein (aa 1-398, His Tag)

Catalog Number: PKSH030569



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description	
Synonyms	Amphoterin-Induced Protein 2;AMIGO-2;Alivin-1;Differentially Expressed in Gastric Adenocarcinomas;DEGA;ALI1
Species	Human
Expression Host	HEK293 Cells
Sequence	Met 1-Thr398
Accession	NP_862830.1
Calculated Molecular Weight	42.3 kDa
Observed molecular weight	58-63 kDa
Tag	C-His
Properties	
Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.
Data	
KDa MK R 116 66 2	



45.0 35.0

> 95 % as determined by reducing SDS-PAGE.

Background

AMIGO2 contains Ig-like C2-type (immunoglobulin-like) domain, 6 LRR (leucine-rich) repeats, 1 LRRCT domain and 1 LRRNT domain. It belongs to the immunoglobulin superfamily, AMIGO family. AMIGO2 may mediate homophilic as well as heterophilic cell-cell interaction with AMIGO1 or AMIGO3. It is required for depolarization-dependent survival of cultured cerebellar granule neurons. AMIGO2 may also contribute to signal transduction through its intracellular domain. It may play a role in the tumorigenesis of a subset of gastric adenocarcinomas. AMIGO2 is highly expressed in breast, ovary, cervix, and uterus.

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