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

Catalog No. PKSH030569

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

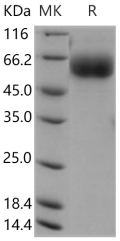
Description

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
Bioactivity	Not validated for activity

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℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ 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



> 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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