

Recombinant Human AMIGO2 Protein (His Tag)

Catalog Number:PKSH033769



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

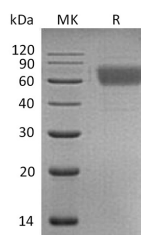
Description

Synonyms	Amphoterin-Induced Protein 2;AMIGO-2;Alivin-1;Differentially Expressed in Gastric Adenocarcinomas;DEGA;ALI1
Species	Human
Expression Host	HEK293 Cells
Sequence	Gly40-His393
Accession	Q86SJ2
Calculated Molecular Weight	41.3 kDa
Observed molecular weight	58-85 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 a 0.2 µm filtered solution of 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

Amphoterin-Induced Protein 2 (AMIGO2) is a single-pass type I membrane protein which belongs to the AMIGO family of immunoglobulin superfamily. Mature AMIGO2 contains an Ig-like C2-type (immunoglobulin-like) domain; 6 LRR (leucine-rich) repeats; a LRRCT domain; as well as a LRRNT domain. AMIGO2 is mainly expressed in breast; ovary; cervix; and uterus; although lower in lung; colon; and rectum. AMIGO2 required for depolarization-dependent survival of cultured cerebellar granule neurons. AMIGO2 may mediate homophilic as well as heterophilic cell-cell interaction with AMIGO1 or AMIGO3. AMIGO2 may contribute to signal transduction through its intracellular domain; and may be required for tumorigenesis of a subset of gastric adenocarcinomas.

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