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# Recombinant Human AMIGO2 Protein (His Tag)

Catalog Number: PKSH033769

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

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Species Human

Source HEK293 Cells-derived Human AMIGO2 protein Gly40-His393, with an C-terminal His

Calculated MW 41.3 kDa
Observed MW 58-85 kDa
Accession Q86SJ2

**Bio-activity** 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

°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.

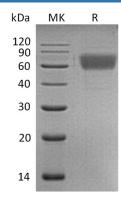
Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants

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 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.

### For Research Use Only