



Recombinant Protein Technical Manual

Recombinant Human AMIGO2 Protein (aa 1-398, His Tag) RPES4269

Product Data:

Product SKU: RPES4269

Size: 20µg

Species: Human

Expression host: HEK293 Cells

Uniprot: NP_862830.1

Protein Information:

Molecular Mass: 42.3 kDa

AP Molecular Mass: 58-63 kDa

Tag: C-His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Amphoterin-Induced Protein 2; AMIGO-2; Alivin; Differentially Expressed in Gastric Adenocarcinomas; DEGA; ALI1

Immunogen Information:

Sequence: Met 1-Thr398

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.