

## 32-7505: Recombinant Human Amphoterin-Induced Protein 2/AMIGO2/Alivin-1 (C-6His)

**Gene :** AMIGO2

**Gene ID :** 347902

**Uniprot ID :** Q86SJ2

### Description

Source: Human Cells.

MW :41.34kD.

Recombinant Human AMIGO2 is produced by our Mammalian expression system and the target gene encoding Val40-His393 is expressed with a 6His tag at the C-terminus. 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.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.

**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

**Amino Acid :** VCPTACICATDIVSCTNKNLSKVPGNLFRLLIKRLDLSYNRIGLLDSEWIPVSFAKLNTLILRHNNITSIS  
TGSFSTTPNLKCLDLSSNKLKTVKNAVFQELKVLEVLLLYNNHISYLDPSAFGGLSQLQKLYLSGNFL  
TQFPMDLYVGRFKLAELMFLDVSYNRIPSMPMHHINLVPGKQLRGIYLGHNPFVCDCLYSLLVFW  
YRRHFSSVMDFKNDYTCRLWSDSRHSRQVLLQLQDSFMNCSDSIINGSFRALGFIHEAQVGERLMV  
HCDSKTGNANTDFIWWGPDNRLLPEPKEMENFYVFHNGSLVIESPRFEDAGVYSCIAMNKRLLNE  
TVDVTINVSNFTVSRSHAHVDHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 Åµg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/Åµg (1 IEU/Åµg) as determined by LAL test.