

AMIGO2 Protein, Human (HEK293, Fc)

Cat. No.:	HY-P7496
Synonyms:	rHuAmphoterin-Induced Protein 2, C-Fc; AMIGO2; Alivin-1; Adhesion Molecule with Ig-like Domain 2; Amphoterin-Induced Protein 2
Species:	Human
Source:	HEK293
Accession:	Q86SJ2 (G39-H393)
Gene ID:	347902
Molecular Weight:	Approximately 93.0 kDa

PROPERTIES

AA Sequence	<pre> G V C P T A C I C A T D I V S C T N K N L S K V P G N L F R L I K R L D L S Y N R I G L L D S E W I P V S F A K L N T L I L R H N N I T S I S T G S F S T T P N L K C L D L S S N K L K T V K N A V F Q E L K V L E V L L L Y N N H I S Y L D P S A F G G L S Q L Q K L Y L S G N F L T Q F P M D L Y V G R F K L A E L M F L D V S Y N R I P S M P M H H I N L V P G K Q L R G I Y L H G N P F V C D C S L Y S L L V F W Y R R H F S S V M D F K N D Y T C R L W S D S R H S R Q V L L L Q D S F M N C S D S I I N G S F R A L G F I H E A Q V G E R L M V H C D S K T G N A N T D F I W V G P D N R L L E P D K E M E N F Y V F H N G S L V I E S P R F E D A G V Y S C I A M N K Q R L L N E T V D V T I N V S N F T V S R S H A H </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Human Amphoterin-induced protein 3 is a single-pass type I membrane cell adhesion protein, which belongs to the family of leucine rich repeat (LRR) containing proteins. ^[1] Human AMIGO3 shares 77.2% and 79.1% aa sequence identity with mouse and rat AMIGO3, respectively. This protein plays
-------------------	--

an important role in neuronal axon tract development and cell adhesion.

REFERENCES

[1]. Yanan Chen, et al. AMIGO and friends: an emerging family of brain-enriched, neuronal growth modulating, type I transmembrane proteins with leucine-rich repeats (LRR) and cell adhesion molecule motif. 2006 Aug;51(2):265-74.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA