

Recombinant Human AMIGO3, His-tagged

Cat. No. AMIGO3-29H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Amphoterin-Induced Protein 3/AMIGO3 produced by transfected human cells is a secreted protein with sequence (Thr20-Thr383) of Human AMIGO3 fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	20-383 a.a.
Description	Amphoterin-Induced Gene and ORF 3 (AMIGO3) is a member of the AMIGO family. AMIGO family proteins are cell adhesion molecules, which exhibits homophilic and heterophilic binding properties, plays an important role in neuronal axon tract development. AMIGO3 is a type I transmembrane proteins, includes six leucine-rich repeats (CRRs) and Ig domain in the extracellular domains. AMIGO3 can be expressed and detected in all tissues, may mediates heterophilic cell-cell interaction, contributes to signal transduction through its intracellular domain.
Form	Lyophilized from a 0.2 µM filtered solution of 20mM PB, 150mM NaCl, pH 7.2
AA Sequence	TPDSEGFPPRALHNCPYKCICAADLLSCTGLGLQDVPAELPAATADLDLSHNALQRL RPGWLAPL FQLRALHLDHNELDALGRGVFVNASGLRLLDLSSNTLRALGRHDLGGL GALEKLLLFNNRLVHLD EHAFHGLRALSHLYLGCNELASFSDHLHGLSATHLLTLD LSSNRLGHISVPELAALPAFLKNGL YLHNNPLPCDCRLYHLLQRWHQRGLSAVRDF AREYVCLAFKVPASRVRRFFQHSRVFENCSSAPAL GLERPEEHLYALVGRSLRLYCN

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	TSVPAMRIAWVSPQQELLRAPGSRDGSIAVLADGSLAIGNVQE QHAGLFVCLATGP RLHHNQTHEYNVSVHFPRPEPEAFNTVDHHHHHH
Endotoxin	Less than 0.1 ng/μg (1 IEU/μg).
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
Storage	Lyophilized protein should be stored at Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

GENE INFORMATION

Gene Name	AMIGO3 adhesion molecule with Ig-like domain 3 [Homo sapiens]
Official Symbol	AMIGO3
Synonyms	AMIGO3; adhesion molecule with Ig-like domain 3; amphoterin-induced protein 3; amphoterin induced gene and open reading frame 3; alivin-3; amphoterin-induced gene and ORF 3; AMIGO-3; MGC120552;
Gene ID	386724
mRNA Refseq	NM_198722
Protein Refseq	NP_942015

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UniProt ID	Q86WK7
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Chromosome Location	3p21
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