
Product Data Sheet

Product Name: AMIGO2 Human
 Cat. No.: GP22709
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Insect cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Adhesion Molecule with Ig-Like Domain 2; Differentially Expressed in Gastric; Adenocarcinomas; AMIGO-2; ALI1; DEGA; Differentially Expressed in Gastric; Adenocarcinoma; Amphoterin-Induced Gene and Open Reading Frame 2; Transmembrane Protein AMIGO2; Amphoterin Induced Gene; Alivin 1; Alivin-1.		
Amino Acid Sequence	VCPTACICAT DIVSCTNKNL SKVPGNLFRL IKRLDLSYNR IGLLDSEWIP VSFACLNTLILRHNNITSIS TGSFSTTPNL KCLDLSSNKL KTVKNAVFQE LKVLEVLLLY NNHISYLDPS AFGGLSQLQK LYLSGNFLTQ FPMDLYVGRF KLAELMFLDV SYNRI SPMMPM HHINLVPGKQ LRGIY LHGNP FVCDCSLYSL LVFWYRRHFS SVMDFKNDYT CRLWSDSRHS RQVLLLQDSFMNCSDSIING SFRALGFIHE AQVGERLMVH CDSKTGNANT DFIWVGPDNR LLEPKEMEN FYVFHNGSLV IESPRFEDAG VYSCIAMNKQ RLLNETVDVT INVSNFTVSR SHAHEAFNTLEHHHHHHH.		
Formulation	AMIGO2 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

Adhesion Molecule with Ig-Like Domain 2, also known as AMIGO2 is a member of the leucine-rich repeat family. AMIGO2 arbitrates homophilic in addition to heterophilic cell-cell interaction with AMIGO1 or AMIGO3. Furthermore, AMIGO2 contributes to signal transduction via its intracellular domain and is also essential for tumorigenesis of a subset of gastric adenocarcinomas.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

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

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

AMIGO2 produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 367 amino acids (40-398a.a.) and having a molecular mass of 41.9kDa (Molecular size on SDS-PAGE will appear at approximately 40-57kDa). AMIGO2 is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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