

# Product information

## Amphoterin-induced protein 2, 40-398aa

Human, His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3230

NCBI Accession No.: NP\_862830

Synonyms: AMIGO2, ALI1, AMIGO-2, DEGA, Alivin-1

**Description:** AMIGO2, also known as amphoterin-induced protein 2, is a leucine-rich repeat family member. This protein may mediate homophilic as well as heterophilic cell-cell interaction with AMIGO1 or AMIGO3. Also, AMIGO2 contributes to signal transduction through its intracellular domain and is required for tumorigenesis of a subset of gastric adenocarcinomas. Recombinant human AMIGO2, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

**Form:** Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

**Molecular Weight:** 41.9kDa (367aa)

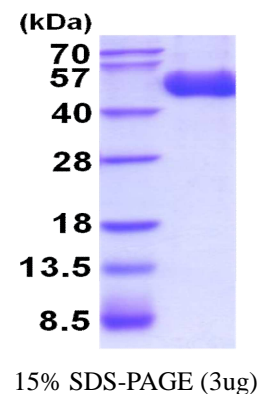
40-57kDa (SDS-PAGE under reducing conditions.)

**Predicted N terminal:** Val40

**Purity:** > 95% by SDS – PAGE.

**Concentration:** 0.5mg/ml (determined by Absorbance at 280nm)

**Endotoxin Level:** < 1.0 EU per 1µg of protein (determined by LAL method)



### Sequences of amino acids:

```
VCPTACICAT DIVSCTNKNL SKVPGNLFRL IKRLDLSYNR IGLLDSEWIP VSFALNLTLI LRHNNITSIS TGSFSTTPNL KCLDLSSNKL
KTVKNAVFQE LKVLEVL LLY NNHISYLDPS AFGGLSQLQK LYLSGNFLTQ FPMPLYVGRF KLAELMFLDV SYNRI PSMPM HHINLVPGKQ
LRGIY LHGNP FVCDCLYSL LVFWYRRHFS SVMDFKNDYT CRLWSDSRHS RQVLLLQDSF MNCSDS IING SFRALGF IHE AQVGERLMVH
CDSKTGNANT DF I WVGPDNR LLEPKEMEN FYVFHNGSLV IESPRFEDAG VYSCIAMNKQ RLLNETVDVT INVSNFTVSR SHAHEAFNTL
EHHHHHH
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### General references:

Rabenau KE., *et al.* (2004) *Oncogene* 23(29):5056-5067.

Ono T., *et al.* (2003) *J. Neurosci.* 23(13):5887-5896.

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.