

# Product information



**AIDA, 1-306 aa**

**Human, His-tagged, Recombinant, *E.coli***

**Cat. No. IBATGP1977**

**Full name:** Axin interactor, dorsalization-associated

**NCBI Accession No.:** NP\_073742

**Synonym:** C1orf80, RP11-378J18.7

**Description:** AIDA acts as a ventralizing factor during embryogenesis. This protein inhibits axin-mediated JNK activation by binding axin and disrupting axin homodimerization. This in turn antagonizes a Wnt/beta-catenin-independent dorsalization pathway activated by AXIN/JNK-signaling. Recombinant human AIDA protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

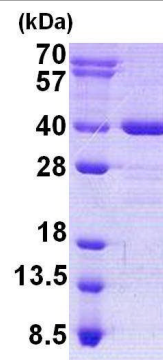
**Form:** Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol

0.2M NaCl, 1mM DTT

**Molecular Weight:** 37.4kDa(329aa) confirmed by MALDI-TOF

**Purity:** > 90% by SDS - PAGE

**Concentration:** 0.25 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

**Sequences of amino acids:**

MGSSHHHHH SSGLVPRGSH MGSMEVTRS LLQRWGASFR RGADFDSWGQ LVEAIDEYQI LARHLQKEAQ AQHNNSEFTE EQKKTIGKIA  
TCLELRSAAAL QSTQSQEEFK LEDLKKLEPI LKNILTYNKE FPDFVQPVPL RRILAPGEEE NLEFEDEEEE GGAGAGSPDS FPARVPGTLL  
PRLPSEPGMT LLTIRIEKIG LKDAGQCIDP YITVSVKDLN GIDLTPVQDT PVASRKEDTY VHFNVDIELQ KHVEKLTGKA AIFFEFKHYK  
PKKRFTSTKC FAFMEMDEIK GPGIVIELYK KPTDFKRKKL QLLTKKPLYL HLHQTLLHKE

**General references:**

Rui, Y., *et al.* (2007) *Dev. Cell* 13 (2), 268-282

**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.**



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