

Recombinant human AIDA protein

Catalog Number: ATGP1977

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-306aa

UniProt No.

Q96BJ3

NCBI Accession No.

NP_073742

Alternative Names

Axin interactor dorsalization-associated, C1orf80, RP11-378J18.7

PRODUCT SPECIFICATION

Molecular Weight

37.4 kDa (329aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.2M NaCl, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMSVTRSL LQRWGASFR RGADFDWGQ LVEAIDEYQI LARHLQKEAQ

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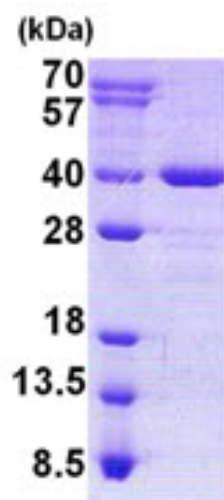
AQHNNSEFTE EQKKTIGKIA TCLELRSAAL QSTQSQEEFK LEDLKKLEPI LKNILTYNKE FPFDVQPVPL RRILAPGEEE
NLEFEDEEEE GGAGAGSPDS FPARVPGTLL PRLPSEPGMT LLTIRIEKIG LKDAGQCIDP YITVSVKDLN GIDLTPVQDT
PVASRKEDTY VHFNVDELQ KHVEKLTKGA AIFFEFKHYK PKKRFTSTKC FAFMEMDEIK PGPIVIELYK KPTDFKRKKL
QLLTKKPLYL HLHQTLLHKE

General References

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

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)