
Product Data Sheet

Product Name: AIDA Human
 Cat. No.: GP22698
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	C1orf80; RP11-378J18.7; Axin interactor; dorsalization-associated protein; Axin interaction partner and dorsalization antagonist; AIDA.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMSEVTRS LLQRWGASFR RGADFDSWGQ LVEAIDEYQI LARHLOKEAQ AQHNNSEFTE EQKKTIGKIA TCLELRSAAL QSTQSQEEFK LEDLKKLEPI LKNILTYNKE FPFDVQPVPL RRILAPGEEE NLEFEDEEEE GGAGAGSPDS FPARVPGTLL PRLPSEPGMT LLTIRIEKIG LKDAGQCIDP YITVSVKDLN GIDLTPVQDT PVASRKEDTY VHFNVDIELQ KHVEKLTGGA AIFFEFKHYK PKKRFTSTKC FAFMEMDEIK PGPIVIELYK KPTDFKRKKL QLLTKKPLYL HLHQTLHKE.		
Formulation	AIDA protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 0.2M NaCl and 1mM DTT.		

Introduction

Axin interactor, dorsalization-associated (AIDA) operates as a ventralizing factor during embryogenesis. AIDA inhibits axin-mediated JNK activation by binding axin and disrupting axin homodimerization. That in turn antagonizes a Wnt/beta-catenin-independent dorsalization pathway activated by AXIN/JNK-signaling.

Stability

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

AIDA Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 329 amino acids (1-306 a.a) and having a molecular mass of 37.4kDa.

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

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AIDA is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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