
Product Data Sheet

Product Name: ZFAND5 Human

Cat. No.: GP25043

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Zinc Finger; AN1-Type Domain 5; Zinc Finger Protein 216; ZNF216; Zinc Finger A20 Domain-Containing Protein 2; Zinc Finger; A20 Domain Containing2; ZA20D2; AN1-Type Zinc Finger Protein 5; ZFAND5A; AN1-type zinc fingerprotein 5; Zinc finger A20 domain-containing protein 2; Zinc finger protein 216.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMAQETNQ TPGPMLCSTG CGFYGNPRTN GMCSVCYKEH LQRQNSGRMSPMGTASGSN SPTSDSASVQ RADTSLN NCE GAAGSTSEKS RNV PVAALPV TQQMTEMSIS REDKITTPKTEVSEPVVTQP SPSVSQPSTS QSEEKAPELP KPKNRCFMC RKKVGLTGFD CRCGNLFCGL HRYSDKHNCPYDYKAEAAAK IRKENPVVVA EKIQRI.		
Formulation	ZFAND5 protein solution (0.5mg/ml) containing 20mM Phosphatebuffer saline (pH 8.0), 30% glycerol and 1mM DTT.		

Introduction

Zinc Finger, AN1-Type Domain 5, also known as ZFAND5 is implicated in protein degradation through the ubiquitin-proteasome system. ZFAND5 performs by anchoring ubiquitinated proteins to the proteasome and takes part in ubiquitin-mediated protein degradation during muscle atrophy. Furthermore, ZFAND5 plays a role in the regulation of NF-kappa-B activation as well as apoptosis. ZFAND5 inhibits NF-kappa-B activation as well as tumor necrosis factor (TNF), IL-1 and TLR4-induced NF-kappa-B activation.

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.

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

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Background

ZFAND5 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 236 amino acids (1-213 a.a) and having a molecular mass of 25.5kDa (Molecular size on SDS-PAGE will appear higher). ZFAND5 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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