

ZFAND5 Protein, Human (Sf9)

Cat. No.:	HY-P701603
Synonyms:	ZFAND5; AN1-type zinc finger protein 5; Zinc finger A20 domain-containing protein 2; Zinc finger protein 216
Species:	Human
Source:	Sf9 insect cells
Accession:	O76080 (A2-I213)
Gene ID:	7763
Molecular Weight:	

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of 50 mM Tris-HCl, pH7.5, 200 mM NaCl, 20% glycerol.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	Please use rapid thawing with running water to thaw the protein.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	<p>ZFAND5 protein participates in the intricate processes of protein degradation via the ubiquitin-proteasome system, potentially serving as an anchor for ubiquitinated proteins to facilitate their targeting to the proteasome. Its involvement extends to the regulation of NF-kappa-B activation and apoptosis, exerting inhibitory effects on NF-kappa-B activation induced by various stimuli, including overexpression of RIPK1 and TRAF6, while not affecting RELA-triggered activation. ZFAND5 demonstrates a dose-dependent inhibition of NF-kappa-B activation in response to TNF, IL-1, and TLR4 stimuli and sensitizes cells to TNF-induced apoptosis. Notably, it acts as a potent inhibitory factor in osteoclast differentiation. Functionally, ZFAND5 interacts with ubiquitin and polyubiquitinated proteins and forms a heterotrimeric complex with ubiquitin and SQSTM1, with both ZFAND5 and SQSTM1 binding to the same ubiquitin molecule, emphasizing its role in coordinating ubiquitin-mediated processes. Additionally, ZFAND5 engages in interactions with IKBKG, RIPK1, and TRAF6 through specific domains, further underscoring its involvement in crucial cellular pathways.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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