

JOSD1 Protein, Human

Cat. No.:	HY-P701474
Synonyms:	JOSD1; Josephin-1; Josephin domain-containing protein 1
Species:	Human
Source:	E. coli
Accession:	Q15040 (S2-V202)
Gene ID:	9929
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	JOSD1 Protein, a versatile player in ubiquitin dynamics, exhibits deubiquitinase activity by cleaving monoubiquitinated probes in vitro. Moreover, when ubiquitinated itself, JOSD1 can cleave both 'Lys-63'-linked and 'Lys-48'-linked poly-ubiquitin chains in vitro, suggesting a potential role as a deubiquitinating enzyme. Beyond its catalytic functions, JOSD1 is implicated in cellular processes, influencing macropinocytosis positively and concurrently suppressing clathrin- and caveolae-mediated endocytosis. Notably, JOSD1 appears to contribute to membrane dynamics and cell motility independently of its enzymatic activity, highlighting its multifaceted role in orchestrating cellular responses and homeostasis.
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Caution: Product has not been fully validated for medical applications. For research use only.

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