

JOSD2 Protein, Human

Cat. No.:	HY-P701476
Synonyms:	JOSD2; Josephin-2; Josephin domain-containing protein 2
Species:	Human
Source:	E. coli
Accession:	Q8TAC2 (S2-D188)
Gene ID:	126119
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	JOSD2 (Josephin-2) protein functions as a deubiquitinating enzyme, exhibiting cleavage activity on 'Lys-63'-linked poly-ubiquitin chains with high efficiency and, to a lesser extent, on 'Lys-48'-linked poly-ubiquitin chains in vitro. The enzyme's ability to specifically target and cleave these distinct poly-ubiquitin linkages suggests its involvement in regulating various cellular processes, including protein degradation and signaling pathways mediated by ubiquitination. While further research is needed to elucidate its specific physiological roles, the identified deubiquitinating activity positions JOSD2 as a potential key player in modulating ubiquitin-dependent cellular mechanisms (
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Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA