

**Product Name:** JOSD1

**Alternate Names:** JSPH1, KIAA0063

**Product Code:** TDE-068

**FOR RESEARCH USE ONLY (RUO)**

**Verified Applications / Usage**

JOSD1 is commonly used in DUB enzymatic activity assays, ubiquitin linkage specificity studies (particularly K48-linked chains), proteasome function and protein stability assays, DUB inhibitor discovery and selectivity screening, cancer biology and drug resistance models, and activity-based probe labeling and target engagement studies.

**Physical Characteristics**

**Species:** Human

**Predicted MW (kDa):** 23 kDa

**Source:** *E. coli* BL21(DE3) A.I.

**Purity:** 95 %

**Tag:** N/A

**Formulation:** 40 mM HEPES, 100 mM NaCl, 10% Glycerol, 1 mM EDTA, 1 mM TCEP, pH 7.6

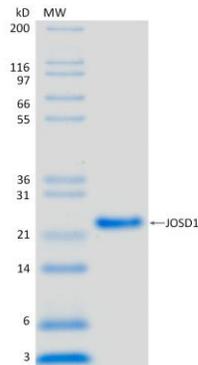
**Shipping:** The product is shipped with dry ice. Upon receipt, store it immediately at the temperature recommended below.

**Stability/Storage:** Use a manual defrost freezer and avoid repeated freeze-thaw cycles. Aliquot and store  $\leq -70^{\circ}\text{C}$  (stable for 24 months from date of receipt).

## Quality Assurance

### Purity & SDS-PAGE

Protein ID: Josephin-1



2 µg J OSD1 run on 4-12% SDS-PAGE gel under reducing conditions, then visualized with Colloidal Coomassie Blue Stain.

### Activity Assay

## Background

### Description

Recombinant human J OSD1 is a deubiquitylating enzyme of the Josephin Domain family. J OSD1 has a strong preference for ubiquitin ester substrates rather than ubiquitin amide bonds.

**Accession Number:** Q15040

**Entrez Gene ID:** J OSD1

## Protein Sequence

```
GPSGMSCVPWKGDKAKSESLELPQAAPPQIYHEKQRRELCALHALNNVFQDSNAFTRDTLQEI  
FQRLSPNTMVTPHKKSMLGNGNYDVNVIMAALQTKGYEAVWWDKRRDVGVIALTNVMGFIMNL  
PSSLCWGPLKLPKRQHWICVREVGGAYYNLDSKCLKMPEWIGGESELRKFLKHHLRGKNCCELL  
LVPPEEVEAHQSWRTDV
```