

## MATERIAL DATA SHEET

## Recombinant Human His6 ZRANB1/Trabid Cat. # E-560

Zinc Finger, RAN-binding Domain Containing 1 (ZRANB1), also known as TRAF-binding Domain-containing Protein (Trabid), is a C64 type peptidase and a member of the ovarian tumor (OTU) protein super-family with a predicted molecular weight of 81 kDa (1). The human protein shares 99% amino acid sequence identity with its mouse ortholog. ZRANB1 preferentially cleaves K29-, K33-, and K63-linked poly-Ubiquitin chains (2). It has been shown to play a role in the regulation of Wnt signaling via deubiquitination of APC (3,4). This recombinant protein contains a C-terminal 6-His tag.

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**Quantity:** 50 μg

**MW:** 82 kDa

**Source:** Spodoptera frugiperda, Sf 21 (baculovirus)-derived

Contains a C-terminal 6-His tag

Accession # Q9UGI0

Stock: X mg/ml (X μM) in 50 mM HEPES pH 8.0, 100 mM NaCl, 1 mM TCEP

**Purity:** >95%, by SDS-PAGE under reducing conditions and visualized by Colloidal

Coomassie® Blue stain.

**Use & Storage** 

**Use:** Recombinant Human His6-ZRANB1/Trabid is a Ubiquitin-specific deconjugating

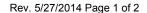
enzyme. Reaction conditions will need to be optimized for each specific application. We recommend an initial Recombinant Human His6-ZRANB1/Trabid concentration

of  $0.1-1 \mu M$ .

Storage: Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

• 12 months from date of receipt, -70 °C as supplied.

• 3 months, -70 °C under sterile conditions after opening.





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## Literature

## **References:**

- 1. Evans, P.C. et al. (2001) Biochem. J. 357:617.
- 2. Licchesi, J.D. et al. (2011) Nat. Struct. Mol. Biol. 19:62.
- 3. Tran, H. et al. (2008) Genes Dev. 22:528.
- 4. Shi, T. et al. (2012) BMC Chem. Biol. 12:4.

For research use only. Not for use in humans.

