
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.

Product Information

Quantity:	50 µg
MW:	82 kDa
Source:	<i>Spodoptera frugiperda</i> , Sf21 (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 µM.
Storage:	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none">• 12 months from date of receipt, -70 °C as supplied.• 3 months, -70 °C under sterile conditions after opening.

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.