Active Recombinant Human ZRANB1, His-tagged

Cat. No. ZRANB1-158H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ZRANB1 (amino acid residues 245-697), fused with N-terminal His, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	245-697 a.a.
Description	TRABID is a cysteine protease and is a member of the OTU (ovarian tumour) superfamily of proteins (Balakirev et al., 2003). Cloning of the human gene was first described by Evans et al. (1992). TRABID was recently reported to specifically and positively regulate the Wnt signalling pathway. TRABID is composed of a tumour necrosis factor receptor associated factor (TRAF) binding domain in the C-terminus and three Zinc-finger (ZnF) motifs at the N-terminus.
Form	50 mM HEPES pH 7.5, 150 mM sodium chloride, 2 mM dithiothreitol, 10% glycerol
Bio-activity	Deubiquitylase Enzyme Assay: The activity of His-TRABID CD(245-697) was validated by the monitoring of mono-ubiquitin generation as a result of the enzyme catalysed cleavage of K63-linked di-ubiquitin. Incubation of the substrate in the presence or absence of His-TRABID CD(245-697) was compared confirming the deubiquitylating activity of His-TRABID CD(245-697).
Molecular Mass	~54.8kDa

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Purity	>81% by SDS-PAGE
Storage	12 months at -70°C. Avoid multiple freeze/thaw cycles.
Concentration	0.5 mg/ml

GENE INFORMATION

Gene Name	ZRANB1 zinc finger, RAN-binding domain containing 1 [Homo sapiens]
Official Symbol	ZRANB1
Synonyms	ZRANB1; zinc finger, RAN-binding domain containing 1; ubiquitin thioesterase ZRANB1; TRABID; hTrabid; TRAF-binding protein domain; TRAF-binding domain-containing protein; zinc finger Ran-binding domain-containing protein 1; DKFZp762P2216;
Gene ID	54764
mRNA Refseq	NM_017580
Protein Refseq	NP_060050
MIM	611749
UniProt ID	Q9UGI0
Chromosome Location	10q26.12
Function	K63-linked polyubiquitin binding; cysteine-type peptidase activity; metal ion binding; peptidase activity; protein binding; ubiquitin thiolesterase activity; ubiquitin-specific

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	protease activity; zinc ion binding;

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