

Tudor domain-containing protein 4 (hTDRD4, domain 30-139aa), human recombinant protein**RING finger protein 17, Tudor domain-containing protein 4, TDRD4, RNF17****Catalog # PBV10881r****Specification**

Tudor domain-containing protein 4 (hTDRD4, domain 30-139aa), human recombinant protein - Product info

Primary Accession	Q9BXT8
Concentration	1
Calculated MW	14.6 kDa (110 aa + NT 6 x His-tag) KDa

Tudor domain-containing protein 4 (hTDRD4, domain 30-139aa), human recombinant protein - Additional Info

Gene ID	56163
Gene Symbol	TDRD4
Other Names	
RING finger protein 17, Tudor domain-containing protein 4, TDRD4, RNF17	

Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥98%
Assay2&Purity2	HPLC;
Recombinant	Yes
Target/Specificity	
TDRD4	

Format

Liquid

Storage

-80°C; 1.0 mg/ml solution in 25 mM Tris (pH 8.0) buffer containing 20% glycerol.

Tudor domain-containing protein 4 (hTDRD4, domain 30-139aa), human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Tudor domain-containing protein 4 (hTDRD4, domain 30-139aa), human recombinant

protein - Images**Tudor domain-containing protein 4 (hTDRD4, domain 30-139aa), human recombinant protein - Background**

Tudor domains are small protein structural motifs of about ~50 amino acids related to the “royal family” of methyl readers, which also includes chromo, MBT, PWWP, and Agenet-like domains. Tudor domains occur either alone, in tandem, or with other domains and are found in many proteins that are involved in RNA metabolism, germ cell development, transposon silencing, DNA damage response, histone modification, and chromatin remodeling. The Tudor domains recognize symmetric methylated arginine or methylated lysine residues. Tudor domain proteins act as an oncogene and play a very important role in HCC and colon cancer. TDRD is also involved in RISC complex and interacts with AEG-1 oncogene. The Tudor domain can bind to methylated arginine protein and promote tumor angiogenesis in human hepatocellular carcinoma, etc. TDRD4 is a candidate CT antigen expressed in a subset of liver cancers. The recombinant protein includes TDRD4 (domain 30-139 aa) with N-terminal His-tag.

Tudor domain-containing protein 4 (hTDRD4, domain 30-139aa), human recombinant protein - References

Wang P.J.,et al.Nat. Genet. 27:422-426(2001).
Dunham A.,et al.Nature 428:522-528(2004).
Ota T.,et al.Nat. Genet. 36:40-45(2004).