

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

**CATALOG #:** 7251-20 20 µg  
 7251-100 100 µg  
 7251-1000 1000 µg

**ALTERNATE NAMES:** RING finger protein 17, Tudor domain-containing protein 4, TDRD4, RNF17

**SOURCE:** *E. coli*

**PURITY:** ≥98% by SDS-PAGE

**MOL. WEIGHT:** 14.6 kDa (110 aa + NT 6 x His-tag)

**FORM:** Liquid

**FORMULATION:** 1.0 mg/ml solution in 25 mM Tris (pH 8.0) buffer containing 20% glycerol.

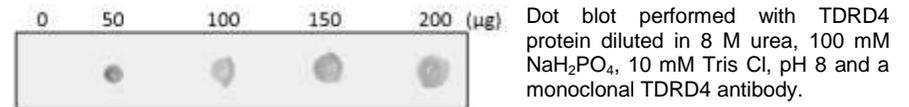
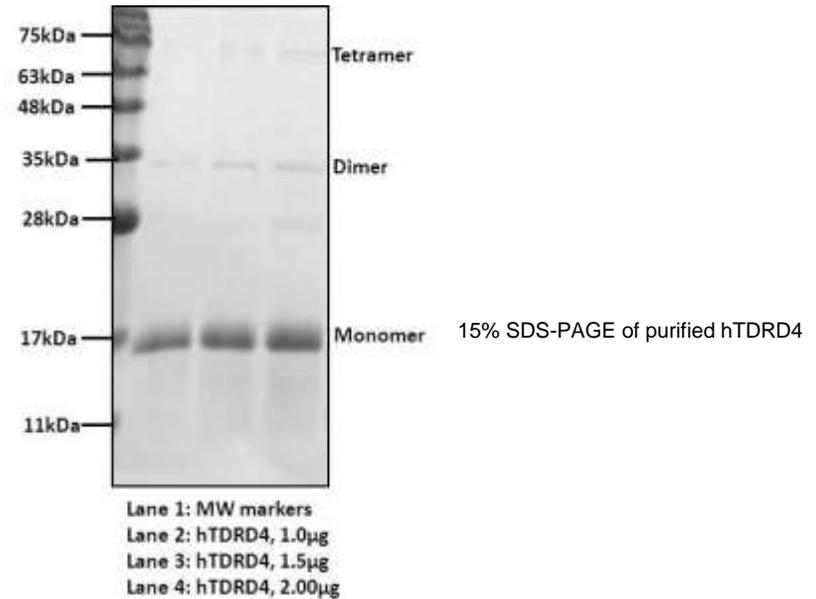
**STORAGE CONDITIONS:** Stable for 1 year at -70°C. Avoid multiple freeze / thaw cycles as activity may decrease.

**DESCRIPTION:**

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.

**APPLICATION AND USAGE:**

hTDRD4 is useful in studying enzyme activity, screening inhibitors and selectivity profiling. It can also be used controls and standards in multiple applications like ELISA, Western blotting, Dot blotting, etc.



**RELATED PRODUCTS:**

- Tudor Domain-Containing Protein 12, human recombinant (Cat. No. 7254-20, -100, 1000)
- JMJD1A Antibody (Cat. No. 3273-100)
- JMJD6 (2-403 aa), Human recombinant (Cat. No. 7679-20, -50)
- SMN Tudor Domain (1472-1613 aa), Human recombinant (Cat. No. 7676-20, -50)
- Recombinant Human BrdT (22-138 aa) (Cat. No. 7641-20, 100, -1000)
- Recombinant Human BRD4 (Cat. No. 7644-20, 100, -1000)
- Human recombinant BRD1 bromodomain (Cat. No. 7645-20, 100)
- Human recombinant BRD2 bromodomains 1 (Cat. No. 7646-20, 100)
- Human recombinant BRD2 bromodomain 1 and 2 (Cat. No. 7647-20, 100)
- Human recombinant BRD2 bromodomain 2 (Cat. No. 7648-20, 100)
- Human recombinant BRD9 bromodomain (Cat. No. 7649-20, 100)
- Bromodomain Inhibitor, (+)-JQ1 (Cat. No. 2070-1, -5)

**FOR RESEARCH USE ONLY! Not to be used on humans.**