Tudor Domain-Containing Protein 12-BD2 (TDRD12-BD2, 908-999 aa) (His-Tagged), human recombinant

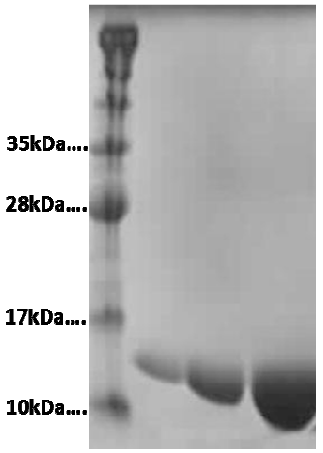
CATALOG #:	7254-20	20 µg
	7254-100	100 µg
	7254-1000	1 mg
ALTERNATE NAMES:	ECAT8	
SOURCE:	E. coli	
PURITY:	≥98% by SDS-PAGE	
MOL. WEIGHT:	13 kDa (91 aa, 908-999 aa + NT 6x His Tag)	
FORM:	Liquid	
FORMULATION:	rh-TDRD12-BD2 is supplied as a solution (2 mg/ml) in PBS Buffer containing 10% glycerol.	
STORAGE CONDITIONS:	Stable for 1 year at –80°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. The recombinant protein includes TDRD12 (domain 908-999aa) with N-terminal His-tag.

APPLICATION AND USAGE:

TDRD12 is useful in studying bromodomain binding assays, screening inhibitors and selectivity profiling.



Lane 1: MW markers
Lane 2: TDRD12-BD2, 0.1µg
Lane 3: TDRD12-BD2, 0.6µg
Lane 4: TDRD12-BD2, 3.0µg

SDS-PAGE (15%) of purified TDRD12-BD21 protein

RELATED PRODUCTS:

- 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.