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Product datasheet for TP762183

ZBTB4 (NM_020899) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human zinc finger and BTB domain containing 4 (ZBTB4), transcript variant 1, Ala788-End, with N-terminal His-PDCD1(Pro21-Val170) tag, expressed in E.coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region(Ala788-End) of ZBTB4
Tag:	N-His PDCD1(Pro21-Val170)
Predicted MW:	39.2 kDa
Concentration:	>0.05 μg/μL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_065950
Locus ID:	57659
UniProt ID:	Q9P1Z0, B3KVD4
RefSeq Size:	5961
Cytogenetics:	17p13.1
RefSeq ORF:	3039
Synonyms:	KAISO-L1; ZNF903

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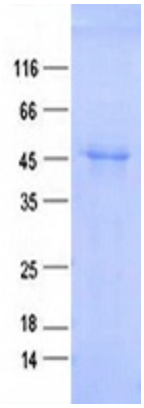
Summary: Transcriptional repressor with bimodal DNA-binding specificity. Represses transcription in a methyl-CpG-dependent manner. Binds with a higher affinity to methylated CpG dinucleotides in the consensus sequence 5'-CGCG-3' but can also bind to the non-methylated consensus sequence 5'-CTGCNA-3' also known as the consensus kaiso binding site (KBS). Can also bind specifically to a single methyl-CpG pair and can bind hemimethylated DNA but with a lower affinity compared to methylated DNA (PubMed:16354688). Plays a role in postnatal myogenesis, may be involved in the regulation of satellite cells self-renewal (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Purified recombinant protein ZBTB4 was analyzed by SDS-PAGE gel and Coomossie Blue Staining.