

Product datasheet for **TP762577**

ZBTB48 (NM_005341) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human zinc finger and BTB domain containing 48 (ZBTB48), full length, with N-terminal GST and C-terminal His tag, expressed in E.coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region full length of ZBTB48
Tag:	N-GST and C-HIS
Predicted MW:	76.9 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 after receiving vials.
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_005332
Locus ID:	3104
UniProt ID:	P10074
RefSeq Size:	2289
Cytogenetics:	1p36.31
RefSeq ORF:	2064
Synonyms:	HKR3; pp9964; TZAP; ZNF855



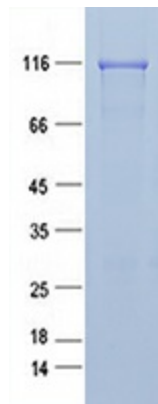
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Summary:

Telomere-binding protein that acts as a regulator of telomere length (PubMed:28500257, PubMed:28082411). Directly binds the telomeric double-stranded 5'-TTAGGG-3' repeat (PubMed:28500257, PubMed:28082411). Preferentially binds to telomeres that have a low concentration of shelterin complex and acts as a regulator of telomere length by initiating telomere trimming, a process that prevents the accumulation of aberrantly long telomeres (PubMed:28082411). Also acts as a transcription regulator that binds to promoter regions (PubMed:7969177, PubMed:24382891, PubMed:28500257). Regulates expression of a small subset of genes, including MTFP1 (PubMed:28500257). Regulates expression the J and/or S elements in MHC II promoter (PubMed:7969177). Acts as a negative regulator of cell proliferation by specifically activating expression of ARF, a tumor suppressor isoform of CDKN2A (PubMed:24382891).[UniProtKB/Swiss-Prot Function]

Protein Families:

Transcription Factors

Product images:

Purified recombinant protein ZBTB48 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.