

Product datasheet for TP760139

PATZ1 (NM_032051) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins Description: Recombinant protein of human POZ (BTB) and AT hook containing zinc finger 1 (PATZ1), transcript variant 4, full length, with N-terminal HIS tag, expressed in E.Coli, 50ug Species: Human **Expression Host:** E. coli **Expression cDNA Clone** A DNA sequence encoding human full-length PATZ1 or AA Sequence: N-His Tag: Predicted MW: 57.4 kDa **Concentration:** >0.05 µg/µL as determined by microplate BCA method **Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining **Buffer:** 25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1% sarkosyl, 10% glycerol Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. Store at -80°C. Storage: 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 114440 Locus ID: 23598 **UniProt ID:** Q9HBE1 **RefSeq Size:** 3021 Cytogenetics: 22q12.2 **RefSeq ORF:** 1611 Synonyms: dJ400N23; MAZR; PATZ; RIAZ; ZBTB19; ZNF278; ZSG



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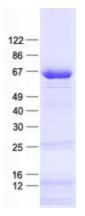
9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

GRIGENE PATZ1 (NM_032051) Human Recombinant Protein – TP760139

Summary:The protein encoded by this gene contains an A-T hook DNA binding motif which usually
binds to other DNA binding structures to play an important role in chromatin modeling and
transcription regulation. Its Poz domain is thought to function as a site for protein-protein
interaction and is required for transcriptional repression, and the zinc-fingers comprise the
DNA binding domain. Since the encoded protein has typical features of a transcription factor,
it is postulated to be a repressor of gene expression. In small round cell sarcoma, this gene is
fused to EWS by a small inversion of 22q, then the hybrid is thought to be translocated
(t(1;22)(p36.1;q12). The rearrangement of chromosome 22 involves intron 8 of EWS and exon
1 of this gene creating a chimeric sequence containing the transactivation domain of EWS
fused to zinc finger domain of this protein. This is a distinct example of an intra-
chromosomal rearrangement of chromosome 22. Four alternatively spliced transcript
variants are described for this gene. [provided by RefSeq, Jul 2008]

Protein Families: Transcription Factors

Product images:



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