Recombinant Human POZ-, AT hook-, and zinc finger-containing protein 1 (PATZ1)

Product Code	CSB-EP867191HU
Abbreviation	PATZ1
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9HBE1
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MERVNDASCG PSGCYTYQVS RHSTEMLHNL NQQRKNGGRF CDVLLRVGDE SFPAHRAVLA ACSEYFESVF SAQLGDGGAA DGGPADVGGA TAAPGGGAGG SRELEMHTIS SKVFGDILDF AYTSRIVVRL ESFPELMTAA KFLLMRSVIE ICQEVIKQSN VQILVPPARA DIMLFRPPGT SDLGFPLDMT NGAALAANSN GIAGSMQPEE EAARAAGAAI AGQASLPVLP GVDRLPMVAG PLSPQLLTSP FPSVASSAPP LTGKRGRGRP RKANLLDSMF GSPGGLREAG ILPCGLCGKV FTDANRLRQH EAQHGVTSLQ LGYIDLPPPR LGENGLPISE DPDGPRKRSR TRKQVACEIC GKIFRDVYHL NRHKLSHSGE KPYSCPVCGL RFKRKDRMSY HVRSHDGSVG KPYICQSCGK GFSRPDHLNG HIKQVHTSER PHKCQTCNAS FATRDRLRSH LACHEDKVPC QVCGKYLRAA YMADHLKKHS EGPSNFCSIC NRGFSSASYL KVHVKTHHGV PLPQVSRHQE PILNGGAAFH CARTYGNKEG QKCSHQDPIE SSDSYGDLSD ASDLKTPEKQ SANGSFSCDM AVPKNKMESD GEKKYPCPEC GSFFRSKSYL NKHIQKVHVR ALGGPLGDLG PALGSPFSPQ QNMSLLESFG FQIVQSAFAS SLVDPEVDQQ PMGPEGK
Source	E.coli
Target Names	PATZ1
Protein Names	Recommended name: POZ-, AT hook-, and zinc finger-containing protein 1 Alternative name(s): BTB/POZ domain zinc finger transcription factor Protein kinase A RI subunit alpha-associated protein Zinc finger and BTB domain-containing protein
Expression Region	1-687
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	This protein 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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.