



Recombinant Human Retrotransposon-derived protein PEG10 (PEG10)

Product Code	CSB-EP768203HU
Abbreviation	PEG10
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.	Q86TG7
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MTERRRDELS EEINNLREKV MKQSEENNNL QSQVQKLTEE NTTLREQVEP TPEDEDDIE LRGAAAAAAP PPIIEECPE DLPEKFDGNP DMLAPFMAQC QIFMEKSTRD FSVDRVRVCF VTSMMTGRAA RWASAKLERS HYLMHNYPAF MMEMKHFVED PQRREVAKRK IRRLRQGMGS VIDYSNAFQM IAQDLWNEP ALIDQYHEGL SDHIQEELSH LEVAKLSLAL IGQCIHIERR LARAAAARKP RSPPRALVLP HIASHHQVDP TEPVGGARMR LTQEEKERRR KLNLCLYCGT GGHYADNCPA KASKSSPAGK LPGPAVEGPS ATGPEIIRSP QDDASSPHLQ VMLQIHLPGR HTLFVRAMID SGASGNFIDH EYVAQNGIPL RIKDWPIVLE AIDGRPIASG PVVHETHDLI VDLGDHREVL SFDVTQSPFF PVVLGVRWLS THDPNITWST RSIVFDSEYC RYHCRMYSPI PPSLPPPAPQ PPLYYPVDGY RVYQPVRYYY VQNVYTPVDE HVYDPHRLVD PHIEMIPGAH SIPSGHVYSL SEPEMAALRD FVARNVKDGL ITPTIAPNGA QVLQVKRGWK LQVSYDCRAP NNFTIQNQYP RLSIPNLEDQ AHLATYTEFV PQIPGYQTYT TYAAAYPTYPV GFAWYPVGRD GQGRSLYVPV MITWNPHWYR QPPVPQYPPP QPPPPPPPPP PPSYSTL
Source	E.coli
Target Names	PEG10
Protein Names	Recommended name: Retrotransposon-derived protein PEG10 Alternative name(s): Embryonal carcinoma differentiation-regulated protein Mammalian retrotransposon-derived protein 2 Myelin expression factor 3-like protein 1 Short name= MEF
Expression Region	1-708
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 gene includes two overlapping reading frames of the same transcript



encoding distinct isoforms. The shorter isoform has a CCHC-type zinc finger motif containing a sequence characteristic of gag proteins of most retroviruses and some retrotransposons, and it functions in part by interacting with members of the TGF-beta receptor family. The longer isoform has the active-site DSG consensus sequence of the protease domain of pol proteins. The longer isoform is the result of -1 translational frameshifting that is also seen in some retroviruses. Expression of these two isoforms only comes from the paternal allele due to imprinting. Increased gene expression (as observed by an increase in mRNA levels) is associated with hepatocellular carcinomas.

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

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