



Recombinant Human Paired box protein Pax-3 (PAX3)

Product Code	CSB-MP017489HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P23760
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MTTLAGAVPR MMRPGPGQNY PRSGFPLEVS TPLGQGRVNQ LGGVFINGRP LPNHIRHKIV EMAHHGIRPC VISRQLRVSH GCVSKILCRY QETGSIRPGA IGGSKPKQVT TPDVEKKIEE YKRENPGMFS WEIRDKLLKD AVCDRNTVPS VSSISRILRS KFGKGEEEEE DLERKEAEE EKKAKHSIDG ILSERASAPQ SDEGSDIDSE PDLPLKRKQR RSRTTFTAQ LEELERAFER THYPDIYTRE ELAQRALTE ARVQVWFSNR RARWRKQAGA NQLMAFNHLI PGGFPTAMP TLPTYQLSET SYQPTSIPQA VSDPSSTVHR PQLPPSTVH QSTIPSNPDS SSAYCLPSTR HGFSSYTDSF VPPSGPSNPM NPTIGNGLSP QVMGLLTNHG GVPHQPTDY ALSPLTGGLE PTTTVSASCS QRLDHMKSLD SLPTSQSYCP PTYSTTGYSM DPVTGYQYGQ YGQSKPWTF
Source	Mammalian cell
Target Names	PAX3
Protein Names	Recommended name: Paired box protein Pax-3 Alternative name(s): HuP2
Expression Region	1-479
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 is a member of the paired box (PAX) family of transcription factors. Members of the PAX family typically contain a paired box domain and a paired-type homeodomain. These genes play critical roles during fetal development. Mutations in paired box gene 3 are associated with Waardenburg syndrome, craniofacial-deafness-hand syndrome, and alveolar rhabdomyosarcoma. The translocation t(2;13)(q35;q14), which represents a fusion between PAX3 and the forkhead gene, is a frequent finding in alveolar rhabdomyosarcoma. Alternative splicing results in transcripts encoding isoforms with different C-termini.
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 $-20^{\circ}\text{C}/-80^{\circ}\text{C}$. The shelf life of lyophilized form is 12 months at $-20^{\circ}\text{C}/-80^{\circ}\text{C}$.