Recombinant Human Achaete-scute homolog 1 (ASCL1)

Product Code	CSB-MP002199HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P50553
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MESSAKMESG GAGQQPQPQP QQPFLPPAAC FFATAAAAAA AAAAAAAQSA QQQQQQQQQQ QQAPQLRPAA DGQPSGGGHK SAPKQVKRQR SSSPELMRCK RRLNFSGFGY SLPQQQPAAV ARRNERERNR VKLVNLGFAT LREHVPNGAA NKKMSKVETL RSAVEYIRAL QQLLDEHDAV SAAFQAGVLS PTISPNYSND LNSMAGSPVS SYSSDEGSYD PLSPEEQELL DFTNWF
Source	Mammalian cell
Target Names	ASCL1
Protein Names	Recommended name: Achaete-scute homolog 1 Short name= ASH-1 Short name= hASH1 Alternative name(s): Class A basic helix-loop-helix protein 46 Short name= bHLHa46
Expression Region	1-236
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 encodes a member of the basic helix-loop-helix (BHLH) family of transcription factors. The protein activates transcription by binding to the E box (5 -CANNTG-3). Dimerization with other BHLH proteins is required for efficient DNA binding. This protein plays a role in the neuronal commitment and differentiation and in the generation of olfactory and autonomic neurons. Mutations in this gene may contribute to the congenital central hypoventilation syndrome (CCHS) phenotype in rare cases.
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.