



Recombinant Rat Achaete-scute homolog 1 (Ascl1)

Product Code	CSB-BP002199RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P19359
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	MESSGKMESG AGQQPQPPQP FLPPAACFFA TAAAAA AAAAQSAQQQ QQQQAPQQQA PQLSPVADGQ PSGGGHKSAA KQVKRQRSSS PELMRCKRRL NFSGFGYSLP QQQPAAVARR NERERNRVKL VNLGFATLRE HVPNGAANKK MSKVETLRS VYIRALQQL LDEHDAVSAA FQAGVLSPTI SPNYSNDLNS MAGSPVSSYS SDEGSYDPLS PEEQELLDFT NWF
Source	Baculovirus
Target Names	Ascl1
Protein Names	Recommended name: Achaete-scute homolog 1
Expression Region	1-233
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.