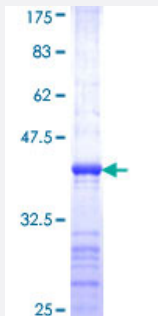


ASCL1 (Human) Recombinant Protein (Q01)

Catalog # H00000429-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ASCL1 partial ORF (NP_004307, 137 a.a. - 236 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	GFATLREHVPNGAANKKMSKVETLRSAVEYIRALQQLLDEHDAVSAAFQAGVLSPTISPNYSNDL NSMAGSPVSSYSSDEGSYDPLSPREEQLLDFTNWF
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (100); Rat (100)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ASCL1

Entrez GeneID [429](#)

GeneBank Accession# [NM_004316](#)

Protein Accession# [NP_004307](#)

Gene Name ASCL1

Gene Alias ASH1, HASH1, MASH1, bHLHa46

Gene Description achaete-scute complex homolog 1 (Drosophila)

Omim ID [100790](#) [209880](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations achaete scute protein|achaete-scute complex homolog 1|achaete-scute complex-like 1

Disease

- [Bipolar Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Parkinson disease](#)

- [Schizophrenia](#)
- [Sleep Apnea](#)
- [Sudden Infant Death](#)