



# Human ASCL1 peptide (DAG-P1753)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	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, Jul 2008]
<b>Purity</b>	70 - 90% by HPLC.
<b>Conjugate</b>	Unconjugated
<b>Sequence Similarities</b>	Contains 1 basic helix-loop-helix (bHLH) domain.
<b>Format</b>	Liquid
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">ASCL1 achaete-scute family bHLH transcription factor 1 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	ASCL1
<b>Synonyms</b>	ASCL1; achaete-scute family bHLH transcription factor 1; ASH1; HASH1; MASH1; bHLHa46; achaete-scute homolog 1; ASH-1; achaete scute protein; achaete-scute complex-like 1; achaete-scute complex homolog 1; class A basic helix-loop-helix protein 46;
<b>Entrez Gene ID</b>	<a href="#">429</a>

<b>mRNA Refseq</b>	<a href="#">NM_004316.3</a>
<b>Protein Refseq</b>	<a href="#">NP_004307.2</a>
<b>UniProt ID</b>	P50553
<b>Chromosome Location</b>	12q23.2
<b>Pathway</b>	Delta-Notch Signaling Pathway, organism-specific biosystem; Neural Crest Differentiation, organism-specific biosystem; Notch-mediated HES/HEY network, organism-specific biosystem; SIDS Susceptibility Pathways, organism-specific biosystem;
<b>Function</b>	DNA binding; E-box binding; bHLH transcription factor binding; double-stranded DNA binding; protein binding; protein homodimerization activity; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; transcription facto