

# Recombinant Full Length Human ASCL2 Protein, C-Flag-tagged

**Cat. No.** ASCL2-1467HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human ASCL2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | This gene is a member of the basic helix-loop-helix (BHLH) family of transcription factors. It activates transcription by binding to the E box (5'-CANNTG-3'). Dimerization with other BHLH proteins is required for efficient DNA binding. Involved in the determination of the neuronal precursors in the peripheral nervous system and the central nervous system. |
| <b>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                 |
| <b>Molecular Mass</b>   | 20 kDa                                                                                                                                                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | MDGGTLPR SAPPAPPVPV GCAARRRPASPELLRCSRRRRPATAETGGGAAAVARR<br>NERERNRVKLVNLGF QALRQHVP HGGASKKLSKVETLRSAVEYIRALQRL LAEHDA<br>VRNALAGGLRPQAVRPSAPRGPPGTT PVA<br>ASPSRASSSPGRGGSSEPGSPRSAYSSDDSGCEGALSPAERELLD FSSWLGGYSG<br>PTRTRPLEQKLISEEDLAANDILDYKDDDDKV                                                                                                            |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining.                                                                                                                                                                                                                                                                                                          |

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|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| <b>Storage</b>          | Store at -80 centigrade.                                                                                                                      |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method.                                                                                             |
| <b>Preparation</b>      | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                              |
| <b>Protein Families</b> | Druggable Genome, Transcription Factors                                                                                                       |
| <b>Full Length</b>      | Full L.                                                                                                                                       |

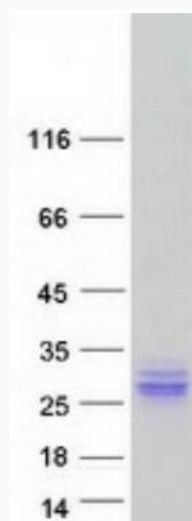
## GENE INFORMATION

|                        |                                                                                 |
|------------------------|---------------------------------------------------------------------------------|
| <b>Gene Name</b>       | ASCL2 achaete-scute family bHLH transcription factor 2 [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | ASCL2                                                                           |
| <b>Synonyms</b>        | ASH2; HASH2; MASH2; bHLHa45                                                     |
| <b>Gene ID</b>         | 430                                                                             |
| <b>mRNA Refseq</b>     | NM_005170.3                                                                     |
| <b>Protein Refseq</b>  | NP_005161.1                                                                     |
| <b>MIM</b>             | 601886                                                                          |
| <b>UniProt ID</b>      | Q99929                                                                          |

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Coomassie blue staining of purified ASCL2 protein.

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