

# Recombinant Human ASIC5 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** ASIC5-4812H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | ACCN5 MS Standard C13 and N15-labeled recombinant protein (NP_059115) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>      | This gene belongs to the amiloride-sensitive Na <sup>+</sup> channel and degenerin (NaC/DEG) family, members of which have been identified in many animal species ranging from the nematode to human. The amiloride-sensitive Na(+) channel encoded by this gene is primarily expressed in the small intestine, however, its exact function is not known.                                                                                                                                                                                                               |
| <b>Molecular Mass</b>   | 57.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | MEQTEKSKVYAENGLLEKIKLCPSKKPLPSPTERKKFDYDFAISTSFHGIHNIVQNRS<br>KIRRVLWLVVVLGSLVLTWQIYIRLLNYFTWPTTASIEVQYVEKMEFPTVTFCNLNR<br>FQTDAAKFGVIFFLWHIVSKVLHLQEITANSTGSREATDFAASHQNFSIVEFIRNKG<br>YLNNSTLLDCEFFGKPCSPKDFAHVFTEYGNCFTFNHGETLQAKRKVSVSGRGLSL<br>LFNVNQEAFTDNPALGFVDAGIIFVIHSPKKVPQFDGLGLLSPVGMHARVTIRQVKTV<br>HQEYPWGECNPNIKLQNFSSYSTSGCLKECKAQHIKKQCGCVPFLLPGYGIECDLQ<br>KYFSCVSPVLDHIEFKDLCTVGTHNSSCPVSCEEIEYPATISYSSFPSQKALKYLSKKL<br>NQSRKYIRENLVKIEINYSDLNYKITQQQKAVSVSELLADLGGQLGLFCGASLITIEIE<br>YLFTNFYWICIFFLLKISEMTQWTPPPQNHLGNKNRIEECTRTRPLEQKLISEEDLAAN |

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|                       |                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------|
|                       | DILDYKDDDDKV                                                                               |
| <b>Purity</b>         | > 80% as determined by SDS-PAGE and Coomassie blue staining                                |
| <b>Stability</b>      | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| <b>Storage</b>        | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                |
| <b>Concentration</b>  | 50 µg/mL as determined by BCA                                                              |
| <b>Storage Buffer</b> | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                    |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                 |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | ASIC5 acid sensing ion channel subunit family member 5 [ Homo sapiens (human) ]                                                                                                                                                                                                                                                 |
| <b>Official Symbol</b> | ASIC5                                                                                                                                                                                                                                                                                                                           |
| <b>Synonyms</b>        | ASIC5; acid sensing ion channel subunit family member 5; INAC; ACCN5; HINAC; acid-sensing ion channel 5; acid sensing (proton gated) ion channel family member 5; acid sensing ion channel family member 5; amiloride-sensitive cation channel 5, intestinal; amiloride-sensitive sodium channel; human intestine Na(+) channel |
| <b>Gene ID</b>         | 51802                                                                                                                                                                                                                                                                                                                           |
| <b>mRNA Refseq</b>     | NM_017419                                                                                                                                                                                                                                                                                                                       |
| <b>Protein Refseq</b>  | NP_059115                                                                                                                                                                                                                                                                                                                       |
| <b>MIM</b>             | 616693                                                                                                                                                                                                                                                                                                                          |

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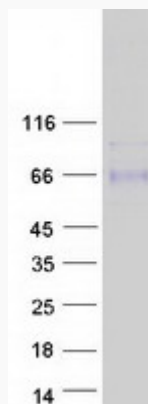
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UniProt ID

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SDS-PAGE

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