

PRODUCT INFORMATION

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| Tag | C-Flag&Strep Tag |
| Target | ASIC2 |
| Synonyms | ACCN, ACCN1, ASIC2a, BNC1, BNaC1, MDEG, hBNaC1 |
| Description | Human ASIC2-Strep full length protein-synthetic nanodisc |
| Delivery | 6~8weeks |
| Uniprot ID | Q16515 |
| Expression Host | HEK293 |
| Protein Families | Ion Channels: Other |
| Protein Pathways | N/A |
| Molecular Weight | The human full length ASIC2-Strep protein has a MW of 57.7 kDa |
| Formulation & Reconstitution | Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments. |
| Storage&Shipping | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |
| Sterility | Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use. |
| Background | This gene encodes a member of the degenerin/epithelial sodium channel (DEG/ENaC) superfamily. The members of this family are amiloride-sensitive sodium channels that contain intracellular N and C termini, 2 hydrophobic transmembrane regions, and a large extracellular loop, which has many cysteine residues with conserved spacing. The member encoded by this gene may play a role in neurotransmission. In addition, a heteromeric association between this member and acid-sensing (proton-gated) ion channel 3 has been observed to co-assemble into proton-gated channels sensitive to gadolinium. Alternative splicing has been observed at this locus and two variants, encoding distinct isoforms, have been identified. [provided by RefSeq, Feb 2012] |
| Usage | Research use only |
| Conjugate | Unconjugated |

