

Product datasheet for **MC217272**

Asic2 (NM_001034013) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Asic2 (NM_001034013) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Asic2
Synonyms:	Accn1; ACIC2; BNaC1; BNaC1a; BNC1; Mdeg
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001034013
Insert Size:	1539 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001034013.2</u> , <u>NP_001029185.1</u>
RefSeq Size:	2643 bp
RefSeq ORF:	1539 bp



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Locus ID: 11418

UniProt ID: [Q925H0](#)

Cytogenetics: 11 48.43 cM

Gene Summary: Cation channel with high affinity for sodium, which is gated by extracellular protons and inhibited by the diuretic amiloride. Also permeable for Li(+) and K(+). Generates a biphasic current with a fast inactivating and a slow sustained phase. Heteromeric channel assembly seems to modulate.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (MDEG1) has an alternate 5' terminal exon including the 5' UTR and 5' coding region, compared to variant MDEG2. The resulting isoform (MDEG1) is shorter and has a distinct N-terminus, compared to isoform MDEG2.