

Lepisosteus oculatus Na⁺/H⁺ exchanger 3 mRNA, partial cds

GenBank: JF719071.1

[FASTA Graphics](#)

[Go to:](#)

LOCUS JF719071 965 bp mRNA linear VRT 28-MAY-2011
DEFINITION Lepisosteus oculatus Na⁺/H⁺ exchanger 3 mRNA, partial cds.
ACCESSION JF719071
VERSION JF719071.1 GI:333610038
KEYWORDS .
SOURCE Lepisosteus oculatus (spotted gar)
ORGANISM [Lepisosteus oculatus](#)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Actinopterygii; Neopterygii; Semionotiformes; Lepisosteidae;
Lepisosteus.
REFERENCE 1 (bases 1 to 965)
AUTHORS Rimoldi,S., Terova,G., Dabrowski,K. and Jaroszewska,M.
TITLE Molecular cloning and sequencing of hypoxia related genes in
spotted gar
JOURNAL Unpublished
REFERENCE 2 (bases 1 to 965)
AUTHORS Rimoldi,S., Terova,G., Dabrowski,K. and Jaroszewska,M.
TITLE Direct Submission
JOURNAL Submitted (23-MAR-2011) Biotechnology and Molecular Sciences,
University of Insubria, Via J.H.Dunant, 3, Varese, VA 21100, Italy
FEATURES Location/Qualifiers

source 1..965
/organism="Lepisosteus oculatus"
/mol_type="mRNA"
/db_xref="taxon:[7918](#)"
/tissue_type="gill"

CDS <1..>965
/note="NHE-3"
/codon_start=3
/product="Na⁺/H⁺ exchanger 3"
/protein_id="[AEF59496.1](#)"
/db_xref="GI:333610039"
/translation="PNKLFFGNMGAILLFAVVGTCWAAGTIGLALWGCYLGGAMGALD
ITLLDFLLFGSLLSAVDPVAIVAFEQVHVSEVLYIIVFGESLLNDGVTVVLYNVFDT
FVKMGAENIQAADIKGIVSFFVACGGTIIGVCFGILISLLTRITKNAQIIPEGYVF
IMGYLAYLTAEMLSLSAILSITFYGVFCQKYVMANMDESSVNTVRYAMKAFANGSETI
LFFFLGVSAIDTHIWKWNTGFILLTILFMLVFRYIGVFVMTWMLNQFRLIPLSIIDQV
VMGYGGLRGGVVYGLAFLDDAKVKEKNLFISTTLIVVYFTVMLQ"

ORIGIN

```
1  tgcccaacaa gctgttcttc ggaaacatgg gcgccatcct cctgtttgct gttgttggtgta
61  cctgctgggc ggctggtaca attggtttgg cgctgtgggg ttgctacctg ggaggagcaa
121 tgggtgctct tgacattact ctactagatt ttcttctgtt tggaagtgtt ctttcggcag
181 ttgatcctgt tgctgttaatt gctgtatttg aacaagtaca tgtcagcgaa gttctttata
241 tcattgtctt tggggagtct ctccttaacg atgggtgtaac agtggtcctt tataatgtgt
301 ttgacacttt tgtaaagatg ggagctgaaa acatccaggc tgcagatatc atcaaaggca
361 tagtgtcctt cttgttgtt gcctgtgggt gaaccataat tggagtttgc tttggaatac
421 tgatctcctt actgacgagg atcaccaaaa atgctcagat catcgaaccg ggttatgtct
481 tcatcatggg ataccttgcc tacctcactg cagagatgct gtctctatct gctatccttt
541 cgattacttt ttatggcgct ttctgcaaaa agtacgtcat ggctaacatg gatgagagct
601 cggtaaacac tgtccgatat gctatgaaag catttgccaa tggatctgaa accatcctct
661 tcttctttct gggagtttct gcaatagata ctcatatctg gaagtggaat acaggtttta
721 tcctgctcac aattttgttc atgttagttt tcagggtatat aggtgtcttt gtcatgacat
```

781 ggatgttaaa ccagttccga ctgattccct taagcatcat tgaccaagtg gtcatgggct
841 acggtgggtct gcgggggtggg gtggtatatg gcttggcggt ccttctggat gacgcaaagg
901 tgaaggagaa gaatcttttc atcagcacta cactcatcgt cgtgtacttc actgtcatgc
961 tgcag

//