Product datasheet for SC208212

PION (GSAP) (NM_017439) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PION (GSAP) (NM_017439) Human 3' UTR Clone
Symbol:	PION
Synonyms:	PION
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_017439
Insert Size:	637 bp
Insert Sequence:	>SC208212 3'UTR clone of NM_017439 The sequence shown below is from the reference sequence of NM_017439. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC AAACACACCGCGATGCTTTTAGGCTTATGAAAAGAAAACGCAATTGGATCTGCTGCTGCCATTTTAAT CTTGCTCATTAACCTTACTCCTTTGAGAATTCTTTAACAATATTTAAAATTGGTAACAAAAATAGTTTA GCCATAATTGTTTAGCCATGTGAGTTTCAGGTTGGTACACGTTCAGACAGAACTGCTGTATCACATTCC AATTTTGAATAGCCAGTGAGCAATCAAGTGTAGAGAAATGATAAATGGCCTAAGAAGGCATACAGTGGC ATAAACGATGCTCTTCCTAGTAGCTTAATAGGCCACAAGCTAGTTTCTGTTGCACTCTGAAATAAAATA TGCTTTAAAAATGTAGGGAACAGTGCTTAGAAAAGCAAAAACTAGGTGTGTCATTGAAATAATAGGCAT AAAAATTAAATGTTACATAAGAACACTATTTGGAAAGAGGGTCCTTTTAAAAACTGAATTTGTACTAAA TCAGATTTGCCATGTCCAGTACAGAATAATTTGTACTTAGTATTTGCAGCAGGGTTTGTCTTTGTGAAT TCAGATGAAACATATTTATTTTTTTTTATTTATAAAAGGTTGATTTAGGAATATTTTGTCAGTCATTAA AAAACCTGAAAACATA ACGCGTAAGCGGCCGCGGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

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Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_017439.4
Summary:	Accumulation of neurotoxic amyloid-beta is a major hallmark of Alzheimer disease (AD; MIM 104300). Formation of amyloid-beta is catalyzed by gamma-secretase (see PSEN1; MIM 104311), a protease with numerous substrates. PION, or GSAP, selectively increases amyloid-beta production through a mechanism involving its interaction with both gamma-secretase and its substrate, the amyloid-beta precursor protein (APP; MIM 104760) C-terminal fragment (APP-CTF) (He et al., 2010 [PubMed 20811458]).[supplied by OMIM, Nov 2010]
Locus ID:	54103
MW:	24.4