Sequence of a murine cDNA, pcp-4, that encodes the homolog of the rat brain-specific antigen PEP-19

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We report here the nucleotide sequence of a cDNA encoding the murine homolog of the rat brain-specific polypeptide PEP-19 (1). The clone, pcp-4, was isolated from a library of normal mouse cerebellar cDNA from which mRNA from the cerebella of Purkinje cell degeneration (pcd) mice had been subtracted (2). The nucleotide sequence (474 bp) and the deduced amino acid sequence (62 residues) are shown below. The pcp-4 amino acid sequence is identical at 100% of the positions with PEP-19. The putative polyadenylation signal sequence is underlined.

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REFERENCES

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						MET	SER	GLU	ARG	GLN	SER	ALA	GLY	ALA	
pcp-4	CGGAGTCAGGCCAAC	ATG	AGT	GAG	AGA	CAA	AGT	GCC	GGA	GCG					42
		THR	ASN	GLY	LYS	ASP	LYS	THR	SER	GLY	ASP	ASN	ASP	GLY	
pcp-4	ACC AAC GGA AAA GAC AAG ACG TCA GGA GAT AAT GAT GGG														81
		GLN	LYS	LYS	VAL	GLN	GLU	GLU	PHE	ASP	ILE	ASP	MET	ASP	
pcp-4	CAG AAG AAA GTC CAA GAA GAA TTT GAT ATC GAC ATG GAT														120
		ALA	PRO	GLU	THR	GLU	ARG	ALA	ALA	VAL	ALA	ILE	GLN	SER	
pcp-4	GCA CCA GAG ACA GAG CGT GCA GCT GTG GCC ATT CAG TCT														159
		GLN	PHE	ARG	LYS	PHE	GLN	LYS	LYS	LYS	ALA	GLY	SER	GLN	
pcp-4	CAG TTC AGA AAA TTC CAG AAG AAA AAG GCA GGA TCA CAG														198
		SER	*												
pcp-4	TCC TAG TGGTGAAGCTGCTTCCTGGTCCACCTGAAGACACCAAGTTCAA														247
pcp-4	CCACCATCCATCAAGAAATGAAAAGAACAATACCCTAGAGAGAAGTCATCC														298
pcp-4	TCACTCAATACACACCCTGCTACAAACCTGAAATGCATGAAGAGAAACCCA														349
pcp-4	TAGTATTTATGCCCCCTATAGGCAGGTATCCACAGTAAAAATTGTGAGTAGC														400
pcp-4	TTAATCTGTTTATCTCCATTACAATTCCTCTGCAACTATTTTCCTTGATGT														451
pcp-4	TGTAATAAAAAGGAGGTAAGATG														474

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