

## Orphan G-protein Coupled Receptor 6 (GPR6), Possible New Variant A

<b>Clone ID</b>	GPR006000A	<b>Species</b>	Human
<b>Gene Class</b>	GPCR	<b>NCBI Acc. #</b>	NM_005284
<b>Date</b>	12/07/2010	<b>Alt. Names</b>	
<b>Bacteria</b>	Top10	<b>Origin</b>	cDNA (whole brain)
<b>Vector</b>	pcDNA3.1+		
<b>Antibiotic</b>	Ampicillin	<b>Tag</b>	n/a
<b>Promoter</b>	T7/CMV	<b>Tag Location</b>	
<b>Insert Size</b>	1023	<b>Mutation</b>	66nt deletion
<b>5' RE</b>	EcoR1	<b>Phenotype</b>	wt
<b>3' RE</b>	Xho1	<b>Sequenced</b>	Full Length

### Description

#### Clustal Alignment of deletion vs. NCBI Acc.#

```

NM_005284_GPR6      CTGCAGCAGCACTGCCTGGCGCCACCCCATCTCGCTGCCACCAGAAAGGGTGTGGGTACA 840
GPR006000A          CTGCAGCAGCACTGCCTGGCGCCACCCCATCTCGCTGCCACCAGAAAGGGTGTGGGTACA 840
*****

NM_005284_GPR6      CTGGCTGTGGTGCTGGGCACTTTCGGCGCCAGCTGGCTGCCCTTCGCCATCTATTGCGTG 900
GPR006000A          CTGGCTGTGGTGCTGGGCACTTTCGGCGCCAGCTGGCTGCCCTTCG----- 886
*****

NM_005284_GPR6      GTGGGCAGCCATGAGGACCCGGCGGTCTACACTTACGCCACCCTGCTGCCCGCCACCTAC 960
GPR006000A          -----CCACCTAC 894
*****

NM_005284_GPR6      AACTCCATGATCAATCCCATCATCTATGCCTTCCGCAACCAGGAGATCCAGCGCGCCCTG 1020
GPR006000A          AACTCCATGATCAATCCCATCATCTATGCCTTCCGCAACCAGGAGATCCAGCGCGCCCTG 954
*****

NM_005284_GPR6      TGGCTCCTGCTCTGTGGCTGTTTCCAGTCCAAAGTGCCCTTTCGTTCCAGGTCTCCAGC 1080
GPR006000A          TGGCTCCTGCTCTGTGGCTGTTTCCAGTCCAAAGTGCCCTTTCGTTCCAGGTCTCCAGC 1014
*****

```

Deletion is nt887-952

<http://www.ebi.ac.uk/Tools/msa/clustalw2/>