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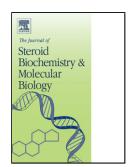
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ACCEPTED MANUSCRIPT

$1\alpha,25$ -Dihydroxyvitamin D_3 enhances TRPV6 transcription through p38 MAPK activation and GADD45 expression

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Highlights

- p38 MAPK inhibitor reduces 1,25(OH)₂D₃-induced TRPV6 expression in intestinal cells.
- p38α knockdown also reduces 1,25(OH)₂D₃-induced TRPV6 expression.
- p38 MAPK inhibition does not affect 1,25(OH)₂D₃-induced CYP24A1 expression.
- 1,25(OH)₂D₃-induced GADD45A expression is also involved in TRPV6 induction.
- p38 α and GADD45 α are involved in an enhanced vitamin D signaling on TRPV6 expression.

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