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| --- |
| **Deflection-gated currents** |

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| --- | --- | --- |
|  | HEK-293 TRPV4 | HEK-293 PIEZO1 |
| Transfections  Cells  Measurements | 3  8  109 | 4  12  154 |
| Latency (mean ± s.e.m.) (ms) | 1.5 ± 0.2 | 1.5 ± 0.2 |
| τ1 (mean ± s.e.m.) (ms) | 0.48 ± 0.05  \* *P*=0.04 (33,39) | 1.2 ± 0.25 |
| τ2 (mean ± s.e.m.) (ms) | 16 ± 7  \*\* *P*=0.005 (29, 26) | 76 ± 31 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Stimulus-response curve: Statistics** | | | | | | | |
|  | 0-10 | 10-50 | 50-100 | 100-250 | 250-500 | 500-1000 | Ordinary Two-way ANOVA |
| PIEZO1 vs TRPV4 overexpression | NS  (8,5) | \* *P*=0.01  (12,8) | \* *P*=0.02  (10,6) | \* *P*=0.03  (12,7) | \*\* *P*=0.001  (12,4) |  | \*\*\*\* *P*<0.0001  F (1, 86) = 19.96 |

Source data figure 8