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Common and diverse elements of ion channels and receptors underlying electrical activity in endocrine pituitary cells

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1 Common and diverse elements of ion channels and receptors 2 underlying electrical activity in endocrine pituitary cells

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21
22 **Abbreviations:** AP, action potential; BK, large-conductance Ca^{2+} and voltage-activated K^+ ; $[Ca^{2+}]_i$,
23 intracellular calcium concentration; CRHR, corticotropin-releasing hormone receptor; D2DR, D2
24 dopamine receptor; g, conductance; GHRHR, GH-releasing hormone receptor; GnRHR, gonadotropin-
25 releasing hormone receptor; GPCR, G protein-coupled receptors; HVA, high voltage-activated; HCN,
26 hyperpolarization-activated and cyclic-nucleotide modulated; I, current; IK, intermediate conductance
27 calcium-activated potassium; IP_3 , inositol trisphosphate; K_{Ca} , calcium-activated potassium; K_{dr} , delayed
28 rectifier potassium; K_{ir} , inwardly rectifying potassium; K_v , voltage-gated potassium; Na_b , background
29 inward current carried by sodium; Na_v , voltage-gated sodium; PKA, cAMP-dependent protein kinase;
30 POMC, pro-opiomelanocortin; SERCA, sarcoplasmic/endoplasmic reticulum Ca^{2+} -ATPase; SK, small
31 conductance calcium-activated potassium; SSTR, somatostatin receptor; TRHR, thyrotropin-releasing
32 hormone receptor; VGCI, voltage-gated calcium influx.

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