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Orai channels in GtoPdb v.2025.4

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Abstract

Orai channels are pore forming proteins which underlie calcium release-activated calcium (CRAC) channels. In numerous cell types, calcium influx is predominantly governed by store-operated calcium channels (SOCs). The process of store-operated calcium entry (SOCE) is orchestrated through the concerted interaction of two essential molecular components: the pore-forming Orai proteins (Orai1-3) and the endoplasmic reticulum calcium-sensing stromal interaction molecules (STIM1 and STIM2) [25].

Contents

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Database links

Orai channels
https://www.guidetopharmacology.org/GRAC/FamilyDisplayForward?familyId=977
- Channels and Subunits
  - Orai1
    https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=2964
  - Orai2
    https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=2965
  - Orai3
    https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=2966

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