

# Resource Summary Report

Generated by [NIF](#) on Sep 15, 2026

## U2OS TACR1 calcium-Nomad

RRID:CVCL\_YK58

Type: Cell Line

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### Proper Citation

RRID:CVCL\_YK58

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### Cell Line Information

**URL:** [https://web.expasy.org/cellosaurus/CVCL\\_YK58](https://web.expasy.org/cellosaurus/CVCL_YK58)

**Proper Citation:** RRID:CVCL\_YK58

**Description:** Cell line U2OS TACR1 calcium-Nomad is a Cancer cell line with a species of origin Homo sapiens (Human)

**Sex:** Female

**Disease:** Osteosarcoma

**Comments:** Characteristics: The green calcium-Nomad biosensor consists of a membrane localization peptide derived from interleukin-2 receptor alpha chain, a TurboGFP fluorescent protein, a calmodulin-binding peptide fused to a KDEL signal., Characteristics: In absence of calcium, the fluorescent biosensor is localized in the cellular membrane. An increase in this second messenger concentration leads to change in the structural folding of Nomad biosensor that promotes its cellular relocation in the vesicular trafficking of the cells., Population: Caucasian.

**Category:** Cancer cell line

**Organism:** Homo sapiens (Human)

**Name:** U2OS TACR1 calcium-Nomad

**Synonyms:** Ca<sup>++</sup> Nomad TACR1 (NK1)/U2OS, NK1 (TACR1) Nomad, NK1 Nomad

**Cross References:** Innoprot:P70105, Wikidata:Q98133764

**ID:** CVCL\_YK58

**Hierarchy:** cvcl\_0042

**Record Creation Time:** 20220427T221640+0000

**Record Last Update:** 20260913T010249+0000

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## Ratings and Alerts

No rating or validation information has been found for U2OS TACR1 calcium-Nomad.

No alerts have been found for U2OS TACR1 calcium-Nomad.

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## Data and Source Information

**Source:** [Cellosaurus](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.