

Resource Summary Report

Generated by [NIF](#) on Sep 13, 2026

U2OS GRPR calcium-Nomad

RRID:CVCL_YK47

Type: Cell Line

Proper Citation

RRID:CVCL_YK47

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_YK47

Proper Citation: RRID:CVCL_YK47

Description: Cell line U2OS GRPR 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 GRPR calcium-Nomad

Synonyms: Ca⁺⁺ Nomad BB2 (GRPR)/U2OS, BB2 (GRPR) Nomad

Cross References: Innoprot:P70102, Wikidata:Q98133749

ID: CVCL_YK47

Hierarchy: cvcl_0042

Record Creation Time: 20220427T221640+0000

Record Last Update: 20260913T010249+0000

Ratings and Alerts

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

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

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.