

Resource Summary Report

Generated by [dkNET](#) on Sep 7, 2026

U2OS CHRM5 calcium-Nomad

RRID:CVCL_YK39

Type: Cell Line

Proper Citation

RRID:CVCL_YK39

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_YK39

Proper Citation: RRID:CVCL_YK39

Description: Cell line U2OS CHRM5 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 CHRM5 calcium-Nomad

Synonyms: Ca⁺⁺ Nomad M5 (CHRM5)/U2OS, M5 Nomad

Cross References: Innoprot:P70103, Wikidata:Q98133739

ID: CVCL_YK39

Hierarchy: cvcl_0042

Record Creation Time: 20220427T221640+0000

Record Last Update: 20260905T182616+0000

Ratings and Alerts

No rating or validation information has been found for U2OS CHRM5 calcium-Nomad.

No alerts have been found for U2OS CHRM5 calcium-Nomad.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.