Resource Summary Report

Generated by dkNET on Sep 8, 2026

PathHunter U2OS OPRM1 Total GPCR Internalization

RRID:CVCL_LB02
Type: Cell Line

Proper Citation

RRID:CVCL_LB02

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_LB02

Proper Citation: RRID:CVCL_LB02

Description: Cell line PathHunter U2OS OPRM1 Total GPCR Internalization is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Female

Disease: Osteosarcoma

Comments: Characteristics: PathHunter total GPCR internalization cell lines co-express a tagged with a beta-galactosidase fragment (ProLink=PK) and a second beta-galactosidase fragment (Enzyme Acceptor=EA) localized to the endosomes. Activation of the GPCR-PK induces internalization of the receptor in EA-tagged endosomes and complementation of the PK and EA enzyme fragments thus resulting into a catalytically active enzyme that generate a chemiluminescent signal., Population: Caucasian.

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: PathHunter U2OS OPRM1 Total GPCR Internalization

Synonyms: PathHunter OPRM1 Total GPCR Internalization U2OS

Cross References: DiscoverX:93-0745C3, Wikidata:Q54938246

ID: CVCL_LB02

Hierarchy: cvcl_0042

Record Creation Time: 20220427T221412+0000

Record Last Update: 20260905T182026+0000

Ratings and Alerts

No rating or validation information has been found for PathHunter U2OS OPRM1 Total GPCR Internalization.

No alerts have been found for PathHunter U2OS OPRM1 Total GPCR Internalization.

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Huang YH, et al. (2024) Discovery of a mu-opioid receptor modulator that in combination with morphinan antagonists induces analgesia. Cell chemical biology.

Sala E, et al. (2020) Improved efficacy, tolerance, safety, and abuse liability profile of the combination of CR4056 and morphine over morphine alone in rodent models. British journal of pharmacology, 177(14), 3291.