Resource Summary Report

Generated by RRID on Sep 8, 2026

PathHunter CHO-K1 OPRM1 beta-arrestin

RRID:CVCL_KY70
Type: Cell Line

Proper Citation

DiscoverX Cat# 93-0213C2, RRID:CVCL_KY70

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_KY70

Proper Citation: DiscoverX Cat# 93-0213C2, RRID:CVCL_KY70

Description: Cell line PathHunter CHO-K1 OPRM1 beta-arrestin is a Spontaneously immortalized cell line with a species of origin Cricetulus griseus (Chinese hamster)

Sex: Female

Comments: Characteristics: PathHunter beta-arrestin cell lines co-express a GPCR tagged with a beta-galactosidase fragment (ProLink=PK) and a beta-arrestin tagged with another fragment (Enzyme Acceptor=EA). Activation of the GPCR-PK induces beta-arrestin-EA recruitment and complementation of the PK and EA enzyme fragments thus resulting into a catalytically active enzyme that generate a chemiluminescent signal.

Category: Spontaneously immortalized cell line

Organism: Cricetulus griseus (Chinese hamster)

Name: PathHunter CHO-K1 OPRM1 beta-arrestin

Cross References: DiscoverX:93-0213C2, Wikidata:Q54937930

ID: CVCL_KY70

Vendor: DiscoverX

Catalog Number: 93-0213C2

Hierarchy: cvcl_0214

Record Creation Time: 20250130T072608+0000

Record Last Update: 20260905T184110+0000

Ratings and Alerts

No rating or validation information has been found for PathHunter CHO-K1 OPRM1 beta-arrestin.

No alerts have been found for PathHunter CHO-K1 OPRM1 beta-arrestin.

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Meqbil YJ, et al. (2024) Identification of 1,3,8-Triazaspiro[4.5]Decane-2,4-Dione Derivatives as a Novel ? Opioid Receptor-Selective Agonist Chemotype. The Journal of pharmacology and experimental therapeutics, 389(3), 301.

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

Singleton S, et al. (2024) Activation of ? receptors by SR-17018 through a distinctive mechanism. Neuropharmacology, 258, 110093.

Creed SM, et al. (2021) Isolation and Pharmacological Characterization of Six Opioidergic Picralima nitida Alkaloids. Journal of natural products, 84(1), 71.

Singleton S, et al. (2021) TRV130 partial agonism and capacity to induce anti-nociceptive tolerance revealed through reducing available ?-opioid receptor number. British journal of pharmacology, 178(8), 1855.

Baptista-Hon DT, et al. (2020) Activation of ?-opioid receptors by MT-45 (1-cyclohexyl-4-(1,2-diphenylethyl)piperazine) and its fluorinated derivatives. British journal of pharmacology, 177(15), 3436.

Gutridge AM, et al. (2020) G protein-biased kratom-alkaloids and synthetic carfentanil-amide opioids as potential treatments for alcohol use disorder. British journal of pharmacology, 177(7), 1497.