Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 8, 2024

ST2

RRID:CVCL_2205
Type: Cell Line

Proper Citation

(DSMZ Cat# ACC-333, RRID:CVCL_2205)

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_2205

Proper Citation: (DSMZ Cat# ACC-333, RRID:CVCL_2205)

Description: Cell line ST2 is a Stromal cell line with a species of origin Mus musculus

Sex: Sex unspecified

Defining Citation: PMID:2787384, PMID:3261687, PMID:3264531

Comments: Breed/subspecies: BC8., Derived from sampling site: Bone marrow. Cell type=Stromal cell., Doubling time: ~30-50 hours (DSMZ)., Characteristics: Can differentiate into osteoblasts, adipocytes and hematopoietic supporting cells.

Category: Stromal cell line

Organism: Mus musculus

Name: ST2

Synonyms: ST-2

Cross References: BTO:BTO:0005997, CLO:CLO_0009142, CLO:CLO_0051025, DSMZ:ACC-333, DSMZCellDive:ACC-333, RCB:RCB0224, Wikidata:Q54955731

ID: CVCL_2205

Vendor: DSMZ

Catalog Number: ACC-333

Ratings and Alerts

No rating or validation information has been found for ST2.

No alerts have been found for ST2.

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 9 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Siddiqui H, et al. (2023) Plasminogen Receptors Promote Lipoprotein(a) Uptake by Enhancing Surface Binding and Facilitating Macropinocytosis. Arteriosclerosis, thrombosis, and vascular biology, 43(10), 1851.

Sautchuk R, et al. (2022) Transcriptional regulation of cyclophilin D by BMP/Smad signaling and its role in osteogenic differentiation. eLife, 11.

Roy IM, et al. (2022) Inhibition of SRC-mediated integrin signaling in bone marrow niche enhances hematopoietic stem cell function. iScience, 25(10), 105171.

Shen L, et al. (2021) Biphasic regulation of glutamine consumption by WNT during osteoblast differentiation. Journal of cell science, 134(1).

Deng Z, et al. (2020) Def6 regulates endogenous type-I interferon responses in osteoblasts and suppresses osteogenesis. eLife, 9.

Zou W, et al. (2020) Ablation of Fat Cells in Adult Mice Induces Massive Bone Gain. Cell metabolism, 32(5), 801.

Böhm AM, et al. (2019) Activation of Skeletal Stem and Progenitor Cells for Bone Regeneration Is Driven by PDGFR? Signaling. Developmental cell, 51(2), 236.

Yu Y, et al. (2019) Glutamine Metabolism Regulates Proliferation and Lineage Allocation in Skeletal Stem Cells. Cell metabolism, 29(4), 966.

Ishida M, et al. (2018) Serpina3n, Dominantly Expressed in Female Osteoblasts, Suppresses the Phenotypes of Differentiated Osteoblasts in Mice. Endocrinology, 159(11), 3775.