

Resource Summary Report

Generated by [dkNET](#) on Sep 4, 2026

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 (Mouse)

Sex: Sex unspecified

Defining Citation: [PMID:2787384](#), [PMID:3261687](#), [PMID:3264531](#)

Comments: Characteristics: Can differentiate into osteoblasts, adipocytes and hematopoietic supporting cells.

Category: Stromal cell line

Organism: Mus musculus (Mouse)

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

Record Creation Time: 20220427T221557+0000

Record Last Update: 20260904T015727+0000

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 11 mentions in open access literature.

Listed below are recent publications. The full list is available at [dkNET](#) .

Binet F, et al. (2025) Exploring the molecular cargos associated with extracellular vesicles extracted from bone tissue to identify novel players in osteoblast function. American journal of physiology. Cell physiology, 329(5), C1521.

You C, et al. (2024) O-GlcNAcylation mediates Wnt-stimulated bone formation by rewiring aerobic glycolysis. EMBO reports, 25(10), 4465.

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.