

Resource Summary Report

Generated by [RRID](#) on Sep 8, 2026

HES-3 MESP1mCherry/w NKX2-5eGFP/w

RRID:CVCL_A8JT

Type: Cell Line

Proper Citation

RRID:CVCL_A8JT

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_A8JT

Proper Citation: RRID:CVCL_A8JT

Description: Cell line HES-3 MESP1mCherry/w NKX2-5eGFP/w is a Embryonic stem cell with a species of origin Homo sapiens (Human)

Sex: Female

Defining Citation: [PMID:25187301](#)

Comments: Characteristics: Using homologous recombination a mCherry reporter gene was introduced at the first exon of one allele of the MESP1 locus., Characteristics: Using homologous recombination an EGFP reporter gene was introduced at the first exon of one allele of the NKX2.5 locus., Characteristics: Useful for dissecting the molecular and cellular mechanisms related to the earliest steps in cardiac development in live cells (PubMed=25187301).

Category: Embryonic stem cell

Organism: Homo sapiens (Human)

Name: HES-3 MESP1mCherry/w NKX2-5eGFP/w

Cross References: Wikidata:Q108820461

ID: CVCL_A8JT

Hierarchy: cvcl_a8js

Record Creation Time: 20220427T220336+0000

Record Last Update: 20260905T180252+0000

Ratings and Alerts

No rating or validation information has been found for HES-3 MESP1mCherry/w NKX2-5eGFP/w.

No alerts have been found for HES-3 MESP1mCherry/w NKX2-5eGFP/w.

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 [RRID](#) .

Brescia M, et al. (2026) A simplified co-culture reveals altered cardiotoxic responses to doxorubicin in hPSC-derived cardiomyocytes in the presence of endothelial cells. Stem cell reports, 21(3), 102816.

Drakhlis L, et al. (2021) Generation of heart-forming organoids from human pluripotent stem cells. Nature protocols, 16(12), 5652.