

SNU-638 | 305634

General information

Description SNU-638 is a cell line derived from a human non-small cell lung carcinoma (NSCLC) cell line, H1975. It is a derivative of H1975 cells that were treated with the EGFR inhibitor gefitinib. SNU-638 cells are characterized by the presence of a constitutively active EGFR (E746_A750) mutation, which is resistant to EGFR inhibitors. SNU-638 cells are highly proliferative and are used for studying the effects of EGFR inhibitors on EGFR-mutant NSCLC cells. SNU-638 cells are also used for studying the effects of MET inhibitors on MET-expressing NSCLC cells. SNU-638 cells are highly sensitive to MET inhibitors and are used for studying the effects of MET inhibitors on MET-expressing NSCLC cells.

Organism Human

Tissue Lung

Disease Lung cancer

Metastatic site Lung

Synonyms SNU638

Cell characteristics

Age 48 days

Gender Male

Ethnicity Chinese

Morphology Epithelial

Cell type Epithelial

Growth properties Adherent

References and safety

Citation SNU-638 (ATCC CRL-2978) | 305634

Biosafety level 1

NCBI_TaxID 9606

