

FGFR-5 (h3): 293T Lysate: sc-176162

BACKGROUND

Acidic and basic fibroblast growth factors (FGFs) are members of a family of multifunctional polypeptide growth factors that stimulate proliferation of cells of mesenchymal, epithelial and neuro-ectodermal origin. Like other growth factors, FGFs act by binding and activating specific cell surface receptors. A total of six members of the FGF receptor family have been identified and cloned. These include the Flg receptor (FGFR-1), the Bek receptor (FGFR-2) and FGFR-3-6. These receptors usually contain an extracellular ligand-binding region containing three immunoglobulin-like domains, a transmembrane domain and a cytoplasmic tyrosine kinase domain. However, FGFR-5 lacks the cytoplasmic kinase domain. FGFR-5 is expressed in a broad range of tissues, including kidney, brain and lung. It is preferentially expressed in pancreas, where it may play a role in the regulation of some pancreatic function.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: FGFR1 (human) mapping to 4p16.3.

PRODUCT

FGFR-5 (h3): 293T Lysate represents a lysate of human FGFR-5 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

FGFR-5 (h3): 293T Lysate is suitable as a Western Blotting positive control for human reactive FGFR-5 antibodies. Recommended use: 10-20 µl per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.