

## HGF $\beta$ (1-170): sc-4463 WB

### BACKGROUND

Hepatocyte growth factor, or HGF, is a pleiotropic growth factor variously designated as scatter factor, hematopoietin A and mammary growth factor. HGF is synthesized as a single chain, 728 amino acid precursor with a 29 amino acid signal peptide which is not present in the mature protein. Biologically active HGF is composed of a disulfide linked 69 kDa  $\alpha$  chain and a 34 kDa  $\beta$  chain, both of which are highly glycosylated. HGF exerts its biological effects through the HGF receptor, c-Met, which is expressed by normal hepatocytes, gastric and intestinal epithelium, ovarian and endometrial endothelium and in the basal layers of skin. While c-Met is not thought to be expressed in normal lung, thyroid or pancreatic tissue, c-Met has been detected in tumors originating from such tissue. The c-Met proto-oncogene encodes a 1408 amino acid glycoprotein that represents the prototypic member of a novel family of receptor tyrosine kinases (RTKs) that include Ron, Sea and Sex

### REFERENCES

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### SOURCE

HGF $\beta$  (1-170) is expressed in *E. coli* as a 46 kDa tagged fusion protein corresponding to amino acids 1-170 of HGF $\beta$  of human origin.

### STORAGE

Store at -20° C; stable for one year from the date of shipment.

### PRODUCT

HGF $\beta$  (1-170) is purified from bacterial lysates (>98%) by glutathione agarose affinity chromatography; supplied as 10  $\mu$ g in 0.1 ml SDS-PAGE loading buffer.

### APPLICATIONS

HGF $\beta$  (1-170) is suitable as a Western blotting control for sc-1356 and sc-13087.

### RESEARCH USE

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