

## RPCB1168

## Product Information

<b>Product SKU:</b>	RPCB1168	<b>Gene ID:</b>	54250	<b>Size:</b>	10µg
<b>Tag:</b>	C-6His	<b>Reactivity:</b>	Rat		

## Additional Information

<b>Expression Host:</b>	E. coli	<b>Swissprot:</b>	P13109
<b>Purity:</b>	-		

## Protein Information

**Background:** FGF basic is a member of the FGF family of at least 23 related mitogenic proteins which show 35-60% amino acid conservation. FGF acidic and basic, unlike the other members of the family, lack signal peptides and are apparently secreted by mechanisms other than the classical protein secretion pathway. FGF basic has been isolated from a number of sources, including neural tissue, pituitary, adrenal cortex, corpus luteum, and placenta. This factor contains four cysteine residues, but reduced FGF basic retains full biological activity, indicating that disulfide bonds are not required for this activity. bFGF is a critical component of human embryonic stem cell culture medium; the growth factor is necessary for the cells to remain in an undifferentiated state, although the mechanisms by which it does this are poorly defined. It has been demonstrated to induce gremlin expression which in turn is known to inhibit the induction of differentiation by bone morphogenetic proteins. It is necessary in mouse-feeder cell dependent culture systems, as well as in feeder and serum-free culture systems.

**Protein Description:** High quality, high purity and low endotoxin recombinant Recombinant Rat FGF-2/bFGF Protein, tested reactivity in E. coli and has been validated in SDS-PAGE. 100% guaranteed.

**Endotoxin:** <1EU/µg

**Formulation:** Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

**Storage:**

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.