HB220303

Recombinant Human Fibroblast Growth Factor 13 (Human FGF-13)

Product Information

Product Name	Cat#	Size
Recombinant Human Fibroblast Growth Factor 13 (Human FGF-13)	91308ES08	5 μg
	91308ES60	100 μg
	91308ES76	500 μg

Product Description

Fibroblast growth factor 13 (FGF13), a member of the FGF11 subfamily, is a kind of intracrine protein similar to other family members including FGF11, FGF12, and FGF14. Unlike classical FGF, FGF13 exerts its bioactivities independent of fibroblast growth factor receptors (FGFRs). FGF13, a nonsecretory protein of the FGF family, is expressed in cerebral cortical neurons during development and is a candidate gene for syndromal and nonspecific forms of X-chromosome-linked mental retardation. The FGF-13 regulates glioma cell invasion and is important for bevacizumab-induced glioma invasion. FGF-13 plays a crucial role in neuron polarization and migration in the cerebral cortex. In mouse FGF-13 RNA was detected in developing central nervous system in cells, and was also found throughout the peripheral nervous system.

Product Properties

Synonyms	FGF13, FGF-13, FHF-2
Accession	Q92913
GeneID	2258
Source	E.coli-derived human FGF-13 protein, Met1-Thr245.
Molecular Weight	Approximately 27.6 kDa.
AA Sequence	MAAAIASSLI RQKRQARERE KSNACKCVSS PSKGKTSCDK NKLNVFSRVK LFGSKKRRRR RPEPQLKGIV TKLYSRQGYH LQLQADGTID GTKDEDSTYT LFNLIPVGLR VVAIQGVQTK LYLAMNSEGY LYTSELFTPE CKFKESVFEN YYVTYSSMIY RQQQSGRGWY LGLNKEGEIM KGNHVKKNKP AAHFLPKPLK VAMYKEPSLH DLTEFSRSGS GTPTKSRSVS GVLNGGKSMS HNEST
Tag	None
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	>95% by SDS-PAGE and HPLC analyses.
Biological Activity	Testing in process.
Endotoxin	< 1.0 EU per 1μg of the protein by the LAL method.
Formulation	Lyophilized from a 0.2 μm filtered concentrated solution in 20 mM Tris, pH 8.5, 500 mM NaCl.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml. Stock solutions should be apportioned into working aliquots and stored at ≤ -20℃. Further dilutions should be made in appropriate buffered solutions.

Shipping and Storage

The products are shipped with ice pack and can be stored at -20℃ to -80℃ for 1 year.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

Cautions

1. Avoid repeated freeze-thaw cycles.
2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. For research use only!