

## ARG80141 Human FGF basic ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG80141-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG80141-002	Standard (Lyophilized)	3 X 4 ng/vial	4°C
ARG80141-003	Standard diluent buffer	20 ml	4°C
ARG80141-004	Antibody conjugate concentrate	400 µl	4°C
ARG80141-005	Antibody diluent buffer	16 ml	4°C
ARG80141-006	HRP-Streptavidin concentrate	400 µl	4°C (Protect from light)
ARG80141-007	HRP-Streptavidin diluent buffer	16 ml	4°C
ARG80141-008	20X Wash buffer	50 ml	4°C
ARG80141-009	TMB substrate	12ml	4°C (Protect from light)
ARG80141-010	STOP solution	12ml	4°C
ARG80141-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG80141 Human FGF basic ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human FGF basic in serum, plasma and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	No significant cross-reactivity or interference with Human FGF-5,6,9,10,16,17,18,19,20,21,23, KGF mouse FGF-acidic,FGF-9
Target Name	FGF basic
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	65 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	125 - 8000 pg/ml

Sample Volume	100 µl
Precision	CV: less than 10%
Alternate Names	FGF-2; Fibroblast growth factor 2; bFGF; FGFB; Heparin-binding growth factor 2; BFGF; HBGF-2; Basic fibroblast growth factor

## Application Instructions

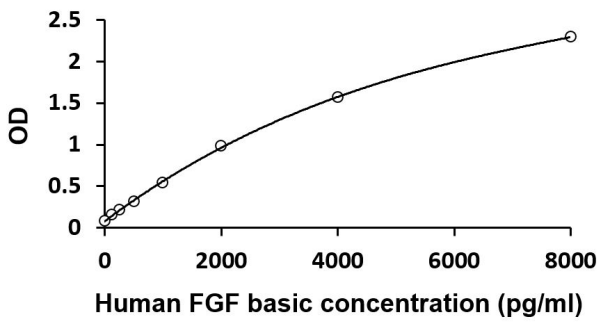
Assay Time	4 hours
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## Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Gene Symbol	FGF2
Gene Full Name	fibroblast growth factor 2 (basic)
Background	The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members bind heparin and possess broad mitogenic and angiogenic activities. This protein has been implicated in diverse biological processes, such as limb and nervous system development, wound healing, and tumor growth. The mRNA for this gene contains multiple polyadenylation sites, and is alternatively translated from non-AUG (CUG) and AUG initiation codons, resulting in five different isoforms with distinct properties. The CUG-initiated isoforms are localized in the nucleus and are responsible for the intracrine effect, whereas, the AUG-initiated form is mostly cytosolic and is responsible for the paracrine and autocrine effects of this FGF. [provided by RefSeq, Jul 2008]
Function	Plays an important role in the regulation of cell survival, cell division, angiogenesis, cell differentiation and cell migration. Functions as potent mitogen in vitro. [UniProt]
Highlight	<p>Related products:  <a href="#">FGF basic antibodies</a>; <a href="#">FGF basic ELISA Kits</a>; <a href="#">FGF basic recombinant proteins</a>;</p> <p>Related news:  <a href="#">Vascular development is regulated by FGF-dependent metabolic control</a>  <a href="#">The role of HDGF in tumor angiogenesis</a></p> <p>New ELISA data calculation tool:  <a href="#">Simplify the ELISA analysis by GainData</a></p>
Research Area	Cancer kit; Cell Biology and Cellular Response kit; Developmental Biology kit; Neuroscience kit; Signaling Transduction kit
PTM	Phosphorylation at Tyr-215 regulates FGF2 unconventional secretion. Several N-termini starting at positions 94, 125, 126, 132, 143 and 162 have been identified by direct sequencing.



ARG80141 Human FGF basic ELISA Kit standard curve image

ARG80141 Human FGF basic ELISA Kit results of a typical standard run with optical density reading at 450 nm.