

FcRH5/FcRL5 Protein, Human (HEK293, His)

Cat. No.:	HY-P700302
Synonyms:	FcR-like protein 5; FcRH5; FcRL5; BXMAS1; CD307; CD307e; IFGP5
Species:	Human
Source:	HEK293
Accession:	AAK93971 (Q16-G851)
Gene ID:	83416
Molecular Weight:	120-140 kDa.

PROPERTIES

AA Sequence

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Q F A R T P R P I I           F L Q P P W T T V F
Q G E R V T L T C K           G F R F Y S P Q K T
K W Y H R Y L G K E           I L R E T P D N I L
E V Q E S G E Y R C           Q A Q G S P L S S P
V H L D F S S A S L           I L Q A P L S V F E
G D S V V L R C R A           K A E V T L N N T I
Y K N D N V L A F L           N K R T D F H I P H
A C L K D N G A Y R           C T G Y K E S C C P
V S S N T V K I Q V           Q E P F T R P V L R
A S S F Q P I S G N           P V T L T C E T Q L
S L E R S D V P L R           F R F F R D D Q T L
G L G W S L S P N F           Q I T A M W S K D S
G F Y W C K A A T M           P H S I I S D S P R
S W I Q V Q I P A S           H P V L T L S P E K
A L N F E G T K V T           L H C E T Q E D S L
R T L Y R F Y H E G           V P L R H K S V R C
E R G A S I S F S L           T T E N S G N Y Y C
T A D N G L G A K P           S K A V S L S V T V
P V S H P V L N L S           S P E D L I F E G A
K V T L H C E A Q R           G S L P I L Y Q F H
H E D A A L E R R S           A N S A G G V A I S
F S L T A E H S G N           Y Y C T A D N G F G
P Q R S K A V S L S           I T V P V S H P V L
T L S S A E A L T F           E G A T V T L H C E
V Q R G S P Q I L Y           Q F Y H E D M P L W
S S S T P S V G R V           S F S F S L T E G H
S G N Y Y C T A D N           G F G P Q R S E V V
S L F V T V P V S R           P I L T L R V P R A
Q A V V G D L L E L           H C E A P R G S P P
I L Y W F Y H E D V           T L G S S S A P S G
G E A S F N L S L T           A E H S G N Y S C E
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A N N G L V A Q H S
V S R P I L T F R A
L E L H C E A L R G
E D V T L G K I S A
S L T T E H S G I Y
Q R S E M V T L K V
L R A P G T H A A V
L R G S P L I L Y R
R S S P S G G A S L
N Y S C E A D N G L
Y I T G L T A N R S

D T I S L S V I V P
P R A Q A V V G D L
S S P I L Y W F Y H
P S G G G A S F N L
S C E A D N G L E A
A V P V S R P V L T
G D L L E L H C E A
F F H E D V T L G N
N L S L T A E H S G
G A Q R S E T V T L
G P F A T G

Biological Activity	Immobilized Human FcRH5, His Tag at 0.5 µg/mL (100 µl/well) on the plate. Dose response curve for Anti-FcRH5 Antibody, hFc Tag with the EC ₅₀ of 11.3-21.5 ng/mL determined by ELISA.
Appearance	Lyophilized powder.
Formulation	Lyophilized from 0.22µm filtered solution in PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization.
Endotoxin Level	< 1EU/µg by the LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background

The FcRH5/FcRL5 protein is suggested to potentially play a role in the complex process of fertilization, implicating its involvement in critical events related to reproductive biology. Furthermore, FcRH5/FcRL5 is known to interact with key signaling molecules, including PTPN6, PTPN11, SYK, and ZAP70, emphasizing its potential engagement in intricate molecular pathways associated with signal transduction. The interactions with these signaling proteins suggest that FcRH5/FcRL5 may participate in regulatory networks influencing cellular responses, and its role in fertilization adds to its significance in reproductive processes. The specific mechanisms by which FcRH5/FcRL5 contributes to fertilization and its interactions with signaling partners remain areas of interest, underscoring the need for further exploration to unveil its exact functions and molecular connections in reproductive biology.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA