

## FCRL6 Protein, Human (His)

<b>Cat. No.:</b>	HY-P71565
<b>Synonyms:</b>	Fc receptor homolog 6; Fc receptor-like 6; Fc receptor-like protein 6; Fc receptor-like protein 7; FcR-like protein 6; FcRH6; FcRL6; FCRL6_HUMAN; FLJ16056; IFGP6; IgSF type I transmembrane receptor; leukocyte receptor
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Accession:</b>	Q6DN72 (L20-W307)
<b>Gene ID:</b>	343413
<b>Molecular Weight:</b>	Approximately 35.7 kDa

### PROPERTIES

<b>AA Sequence</b>	<pre> LYLQAWPNPV   FEGDALTLRC   QGWKNTPLSQ   VKFYRDGKFL HFSKENQTL S   MGAATVQSRG   QYSCSGQVMY   IPQTFTQTSE TAMVQVQELF   PPPVLSAIPS   PEPREGSLVT   LRCQTKLHPL RSALRLLFSF   HKDGH TLQDR   GHPPELCIPG   AKEGDSGLYW CEVAPEGGQV   QKQSPQLEVR   VQAPVSRPVL   TLHHGPADPA VGD MVQLLCE   AQRGSPPI LY   SFYLDEKIVG   NHSAPCGGTT SLLFPVKSEQ   DAGNYSCEAE   NSVSRERSEP   KKL S L K G S Q V LFTPASNW           </pre>
<b>Appearance</b>	Lyophilized powder
<b>Formulation</b>	Lyophilized after extensive dialysis against solution in 10 mM Tris-HCl, 1 mM EDTA, 6% Trehalose, pH 8.0.
<b>Endotoxin Level</b>	<1 EU/μg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> O.
<b>Storage &amp; Stability</b>	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.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	FCRL6 Protein acts as a receptor for MHC class II, as demonstrated by its interaction with HLA-DR when the alpha chain is associated with specific beta chains. However, when stimulated independently, FCRL6 does not contribute to cytokine production, cytotoxic granule release by NK cells, or cytotoxic CD8(+) T cells. Not functioning as an Fc receptor, FCRL6 exhibits interactions, particularly tyrosine phosphorylated interactions, with proteins such as PTPN11, PTPN6, INPP5D, INPPL1, and GRB2. These associations highlight the potential regulatory role of FCRL6 in signaling pathways mediated by
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tyrosine phosphorylation events involving various cellular proteins.

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

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