

FCAR/CD89 Protein, Human (HEK293, His)

Cat. No.:	HY-P72657
Synonyms:	Immunoglobulin Alpha Fc Receptor; IgA Fc Receptor; CD89; FCAR
Species:	Human
Source:	HEK293
Accession:	P24071 (Q22-N227)
Gene ID:	2204
Molecular Weight:	Approximately 40 kDa

PROPERTIES

AA Sequence	<p>Q E G D F P M P F I S A K S S P V I P L D G S V K I Q C Q A I R E A Y L T Q L M</p> <p>I I K N S T Y R E I G R R L K F W N E T D P E F V I D H M D A N K A G R Y Q C Q</p> <p>Y R I G H Y R F R Y S D T L E L V V T G L Y G K P F L S A D R G L V L M P G E N</p> <p>I S L T C S S A H I P F D R F S L A K E G E L S L P Q H Q S G E H P A N F S L G</p> <p>P V D L N V S G I Y R C Y G W Y N R S P Y L W S F P S N A L E L V V T D S I H Q</p> <p>D Y T T Q N</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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	<p>The FCAR/CD89 protein plays a pivotal role as it specifically binds to the Fc region of immunoglobulins alpha, facilitating various functions such as cytokine production. In its association with the Fc epsilon RI gamma 2 receptor, FCAR/CD89 induces tyrosine phosphorylation of gamma 2, highlighting its involvement in intricate signaling pathways and immune responses. The interaction between FCAR/CD89 and immunoglobulins alpha underscores its significance in modulating immune processes and contributing to the regulation of cytokine production, emphasizing its multifaceted role in the immune system.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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