

Fc gamma RIII/CD16 Protein, Mouse (185a.a, HEK293, His)

Cat. No.:	HY-P70708
Synonyms:	Low affinity immunoglobulin gamma Fc region receptor III; Fcgr3; Fc gamma Receptor III; CD-antigen 16; CD16; FcRIII; IgG Fc receptor III
Species:	Mouse
Source:	HEK293
Accession:	P08508 (A31-T215)
Gene ID:	14131
Molecular Weight:	35-40 kDa

PROPERTIES

AA Sequence	<p> A L P K A V V K L D P P W I Q V L K E D M V T L M C E G T H N P G N S S T Q W F H N G R S I R S Q V Q A S Y T F K A T V N D S G E Y R C Q M E Q T R L S D P V D L G V I S D W L L L Q T P Q R V F L E G E T I T L R C H S W R N K L L N R I S F F H N E K S V R Y H H Y K S N F S I P K A N H S H S G D Y Y C K G S L G S T Q H Q S K P V T I T V Q D P A T T S S I S L V W Y H T </p>
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	<p>The Fc gamma RIII/CD16 Protein serves as a low-affinity receptor for the Fc region of complexed immunoglobulins gamma, specifically binding to IgG1, IgG2a, and IgG2b. This receptor plays a crucial role in mediating neutrophil activation in response to IgG complexes, functioning redundantly with Fcgr4 in this process. The interaction with INPP5D/SHIP1 further highlights its involvement in intracellular signaling pathways associated with immune responses, underscoring its significance in facilitating cellular activation triggered by immunoglobulin binding.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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