

Fc gamma RIIA/CD32a Protein, Rat (HEK293, Fc)

Cat. No.:	HY-P76233
Synonyms:	FCGR2A; CD32; CD32A; CDw32; IGFR2; fcRII-a; fc-gamma-RIIa; FCG2; FcGR; FCGR2; FCGR2A1; MGC23887; MGC30032
Species:	Rat
Source:	HEK293
Accession:	NP_446295 (D32-L216)
Gene ID:	116591
Molecular Weight:	Approximately 47.5 kDa.

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
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.
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 Fc gamma RIIA/CD32a protein plays a crucial role in enabling immunoglobulin receptor binding activity. It is involved in various processes, such as regulating the Fc-gamma receptor signaling pathway involved in phagocytosis, antibody-dependent cellular cytotoxicity, and tumor necrosis factor production. This protein is located on the cell surface and has been utilized in the study of crescentic glomerulonephritis. The human ortholog of this gene, FCGR2A, has been implicated in several diseases, including autoimmune disease, dengue disease, hematologic cancer, leukopenia, and malaria. It exhibits biased expression in multiple tissues, with notable levels in the lung and spleen, among others. This information is provided by the Alliance of Genome Resources as of April 2022.
------------	--

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