

Allergin-1 Protein, Mouse (HEK293, Fc)

Cat. No.:	HY-P76719
Synonyms:	Allergy inhibitory receptor 1; Mast cell antigen 32; MCA-32; Milr1; Gm885
Species:	Mouse
Source:	HEK293
Accession:	Q3TB92 (M1-S150)
Gene ID:	380732
Molecular Weight:	55-80 kDa.

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m 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/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/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	Allergin-1 protein, an immunoglobulin-like receptor, assumes an inhibitory role in the degranulation process of mast cells. Functioning as a negative regulator, it plays a crucial part in mitigating IgE-mediated mast cell activation and suppressing type I immediate hypersensitivity reactions. Allergin-1 exists as a monomer, and it interacts specifically with tyrosine-phosphorylated proteins such as PTPN6, PTPN11, and INPP5D. This intricate molecular interaction underscores the pivotal role of Allergin-1 in fine-tuning mast cell responses, contributing to the intricate regulatory mechanisms that modulate allergic reactions and hypersensitivity responses.
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Caution: Product has not been fully validated for medical applications. For research use only.

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