

## Allergin-1 Protein, Human (HEK293, His)

Cat. No.:	HY-P75575
Synonyms:	Allergy inhibitory receptor 1; MCA-32; MILR1; C17orf60; MCA32
Species:	Human
Source:	HEK293
Accession:	Q7Z6M3 (M1-K227)
Gene ID:	284021
Molecular Weight:	Approximately 24.8 kDa

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 $\mu$ 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/ $\mu$ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/mL in ddH <sub>2</sub> 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, functions as a negative regulator in mast cells by inhibiting degranulation. Specifically, it plays a crucial role in suppressing IgE-mediated mast cell activation, thereby dampening the type I immediate hypersensitivity reaction. Allergin-1 operates as a monomer and interacts with key signaling molecules, including tyrosine-phosphorylated PTPN6, PTPN11, and INPP5D, forming complexes that contribute to its inhibitory effects on mast cell degranulation.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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