

Recombinant Human MILR1 Protein (Met1-Lys227), HlgG1 Fc-tagged

Cat. No. MILR1-643H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MILR1 Protein (NP_001078892.1) (Met1-Lys227) was produced by HEK293 Cells expression system. This protein was expressed with the Fc region of human IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Met1-Lys227
Description	Cell surface immunoreceptor MILR1 (mast cell immunoglobulin-like receptor 1; synonyms, Allergin-1) has been shown to suppress immunoglobulin E (IgE)-mediated, mast cell-dependent responses in both mice and humans. The C allele of rs65423 was associated with increased expression of MILR1, which was in accordance with the results of expression quantitative trait loci analysis using human leukocytes. The rs65423 polymorphism affects MILR1 expression levels in humans, leading to a susceptibility to producing specific IgE antibodies against common allergens.
Predicted N Terminal	Arg 20
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant human MILR1 consists of 446 amino acids and predicts a molecular

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	mass of 50.1 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	MILR1 mast cell immunoglobulin like receptor 1 [Homo sapiens (human)]
Official Symbol	MILR1
Synonyms	MCA32; MCA-32; C17orf60; Allergin-1;
Gene ID	284021
mRNA Refseq	NM_001085423

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