

LSEctin/CLEC4G Protein, Human (HEK293, Fc)

Cat. No.:	HY-P78778
Synonyms:	CLEC4G; LSEctin
Species:	Human
Source:	HEK293
Accession:	Q6UXB4 (K55-C293)
Gene ID:	339390
Molecular Weight:	58-66 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized a 0.22 µm filtered solution of 20 mM Tris-HCl, 0.2 M NaCl, 6% Trehalose, pH 7.5.
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. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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 LSEctin/CLEC4G Protein exhibits a distinctive carbohydrate binding profile, showing affinity for mannose, N-acetylglucosamine (GlcNAc), and fucose in a Ca ²⁺ -dependent manner, as observed in in vitro studies. Notably, LSEctin/CLEC4G acts as a receptor for Japanese encephalitis virus in the context of microbial infection, indicating its functional role in viral recognition and host-pathogen interactions. This specific carbohydrate-binding pattern underscores the molecular versatility of LSEctin/CLEC4G and its potential significance in immune responses to pathogens.
------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

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