CLEC10A/CD301 Protein, Human (HEK293, His)

Cat. No.:	HY-P72689
Synonyms:	C-type lectin domain family 10 member A; CD301; CLEC10A; CLECSF13; CLECSF14; HML
Species:	Human
Source:	HEK293
Accession:	Q8IUN9 (Q61-H316)
Gene ID:	10462
Molecular Weight:	Approximately 40 kDa

PROPERTIES

AA Sequence	Q N S K F Q R D L V T L R T D F S N F T S N T V A E I Q A L T S Q G S S L E E T I A S L K A E V E G F K Q E R Q A G V S E L Q E H T T Q K A H L G H C P H C P S V C V P V H S E M L L R V Q Q L V Q D L K K L T C Q V A T L N N N A S T E G T C C P V N W V E H Q D S C Y W F S H S G M S W A E A E K Y C Q L K N A H L V V I N S R E E Q N F V Q K Y L G S A Y T W M G L S D P E G A W K W V D G T D Y A T G F Q N W K P G Q P D D W Q G H G L G G G E D C A H F H P D G R W N D D V C Q R P Y H W V C E A G L G Q T S Q E S H
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. 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 CLEC10A/CD301 protein is implicated in the probable regulation of adaptive and innate immune responses. Functioning in a calcium-dependent manner, it binds to terminal galactose and N-acetylgalactosamine units, specifically those linked to serine or threonine. These sugar moieties, known as Tn-Ag, are expressed in various carcinoma cells. The involvement of CLEC10A/CD301 in recognizing and binding to these specific carbohydrate structures suggests a potential role in immune surveillance, particularly in the context of carcinoma cells. Further exploration of the molecular interactions and

	downstream signaling pathways influenced by CLEC10A/CD301 will enhance our understanding of its contributions to immune modulation and its potential implications in cancer immunity.

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