

Recombinant Human CLEC6A Protein, Thr46-Leu209, N-6×His tagged

Cat. No. CLEC6A-13H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CLEC6A Protein, Thr46-Leu209, with an N-terminal 6-His tag was expressed in Mouse myeloma cell line.
Species	Human
Source	Mouse myeloma cell
ProteinLength	Thr46-Leu209
Description	The protein encoded by this gene is a type II membrane receptor with an extracellular C-type lectin-like domain fold. The extracellular portion binds structures with a high mannose content and has been shown to recognize several pathogens, including <i>C. elegans</i> , <i>S. cerevisiae</i> , <i>M. tuberculosis</i> , <i>C. neoformans</i> , and house dust mite. When stimulated, the encoded protein initiates signalling through the CARD9-Bcl10-Malt1 pathway, leading to the induction of cytokines. Two transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	Predicted Molecular Mass: 19.7 kDa SDS-PAGE: 20-24 kDa, reducing conditions
Endotoxin	< 1.0 EU/μg of the protein by the LAL method.
Purity	> 90%, by SDS-PAGE under reducing conditions and visualized by silver stain.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution in PBS.
Shipping	The product is shipped at ambient temperature.
Reconstitution	Reconstitute at 100 µg/mL in sterile PBS.
References	1. Kanazawa, N. (2007) J. Dermatol. Sci. 45:77. 2. Kanazawa, N. et al. (2004) Immunobiology 209:179. 3. Flornes, L.M. et al. (2004) Immunogenetics 56:506.

GENE INFORMATION

Gene Name	CLEC6A C-type lectin domain family 6, member A [Homo sapiens (human)]
Official Symbol	CLEC6A
Synonyms	CLEC6A; C-type lectin domain family 6, member A; C type (calcium dependent, carbohydrate recognition domain) lectin, superfamily member 10 , CLECSF10; C-type lectin domain family 6 member A; dectin 2; dectin-2; DC-associated C-type lectin 2; C-type lectin superfamily member 10; dendritic cell-associated C-type lectin 2; C-type (calcium dependent, carbohydrate-recognition domain) lectin, superfamily member 10; CLEC4N; CLECSF10;
Gene ID	93978
mRNA Refseq	NM_001007033

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Protein Refseq	NP_001007034
MIM	613579
UniProt ID	Q6EIG7

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