

# Recombinant Human CLEC6A Protein, Thr46-Leu209, N-6xHis tagged

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human CLEC6A Protein, Thr46-Leu209, with an N-terminal 6-His tag was expressed in Mouse myeloma cell line.
<b>Species</b>	Human
<b>Source</b>	Mouse myeloma cell
<b>ProteinLength</b>	Thr46-Leu209
<b>Description</b>	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.
<b>Molecular Mass</b>	Predicted Molecular Mass: 19.7 kDa SDS-PAGE: 20-24 kDa, reducing conditions
<b>Endotoxin</b>	< 1.0 EU/μg of the protein by the LAL method.
<b>Purity</b>	> 90%, by SDS-PAGE under reducing conditions and visualized by silver stain.

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<b>Storage</b>	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <p>12 months from date of receipt, -20 to -70 centigrade as supplied.</p> <p>1 month, 2 to 8 centigrade under sterile conditions after reconstitution.</p> <p>3 months, -20 to -70 centigrade under sterile conditions after reconstitution.</p>
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS.
<b>Shipping</b>	The product is shipped at ambient temperature.
<b>Reconstitution</b>	Reconstitute at 100 µg/mL in sterile PBS.
<b>References</b>	<ol style="list-style-type: none"> <li>1. Kanazawa, N. (2007) J. Dermatol. Sci. 45:77.</li> <li>2. Kanazawa, N. et al. (2004) Immunobiology 209:179.</li> <li>3. Flornes, L.M. et al. (2004) Immunogenetics 56:506.</li> </ol>

## GENE INFORMATION

<b>Gene Name</b>	CLEC6A C-type lectin domain family 6, member A [ Homo sapiens (human) ]
<b>Official Symbol</b>	CLEC6A
<b>Synonyms</b>	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;
<b>Gene ID</b>	93978
<b>mRNA Refseq</b>	NM_001007033

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**Protein Refseq** NP\_001007034

**MIM** 613579

**UniProt ID** Q6EIG7

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