

Langerin/CD207 Protein, Mouse, Recombinant (His)

General Information

Synonyms:	Cd207;C-type lectin domain family 4 member K;Langerin;Clec4k
Protein Construction:	63-331 aa
Species:	Mouse
Expression Host:	E. coli
Accession:	Q8VBX4
Molecular Weight:	34.7 kDa (predicted)
AA Sequence:	QAVFYPRMLMGKILDVKSDAQMLKGRVDNISTLGSCLKTERGRVDDAEVQMQIVNTTLKRVRSQILSLETSMKI ANDQLQILTMSWGEVDSLSAKIPELKRDLDKASALNTKVQGLQNSLENVNKLKQQSDILEMVARGWKYFS GNFYFYSRTPKTWYSAEQFCISRKAHLTSVSSSESEQKFLYKAADGIPHWIGLTKAGSEGDWYWVDQTSFNKE QSRRFWIPGEPNNAGNNEHCANIRVSALKCWNDGPCDNTFLFICKRPYVQTTE

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Calcium-dependent lectin displaying mannose-binding specificity. Induces the formation of Birbeck granules (BGs); is a potent regulator of membrane superimposition and zippering. Binds to sulfated as well as mannosylated glycans, keratan sulfate (KS) and beta-glucans. Facilitates uptake of antigens and is involved in the routing and/or processing of antigen for presentation to T cells.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481