

CD101 Protein, Mouse, Recombinant (His)

General Information

Synonyms:	Immunoglobulin superfamily member 2;Cd101;Igsf2;Glu-Trp-Ile EWI motif-containing protein 101 (EWI-101)
Protein Construction:	22-266 aa
Species:	Mouse
Expression Host:	Baculovirus Insect Cells
Accession:	A8E0Y8
Molecular Weight:	29.6 kDa (predicted)
AA Sequence:	REVKIQEGPLYRAEGYPVSI RCTVSGHQGPSTQDFRWSIYLP SAPTKEVQIISTKDAGFSYAVYAQRVQSKEIYI ERLQGDSVLLHISKLQMKDAGEYECHTPNTDGKYFGSYS AKTNLTVVPDTLSATMPSQTL SKKEGEPLELT CET TKATVQHHTLSLTWYLMQEGGGSQATEIVSLSKDFVLT PGSSYADRFVAGDVRLDKLGATSFRLSVGK LQPSD QGQVFCEATEWIQDPDETWT LIT

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:	> 85% 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

Plays a role as inhibitor of T-cells proliferation induced by CD3. Inhibits expression of IL2RA on activated T-cells and secretion of IL2. Inhibits tyrosine kinases that are required for IL2 production and cellular proliferation. Inhibits phospholipase C-gamma-1/PLCG1 phosphorylation and subsequent CD3-induced changes in intracellular free

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calcium. Prevents nuclear translocation of nuclear factor of activated T-cell to the nucleus. Plays a role in the inhibition of T-cell proliferation via IL10 secretion by cutaneous dendritic cells.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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