

Recombinant Human CD101 Protein, His-tagged

Cat. No. CD101-184H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD101 Protein with His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	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 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. May be a marker of CD4+ CD56+ leukemic tumor cells.
Molecular Mass	~110 kDa
AA Sequence	MQREVTVQKGPLFRAEGYPVSGCNVTGHQGPSEQHFQWSVYLPTNPTQEVQIIST KDAAFSYAVYTQVRVSGDVYVERVQGNSVLLHISKLMKDAGEYECHTPNTDEKYY GSYSAKTNLIVIPDTLSATMSSQTLGKEEGEPLALTCEASKATAQHTHLSVTWYLTQ DGGGSQATEIISLSKDFILVPGPLYTERFAASDVQLNKLGPPTTFRLSIERLQSSDQGG LFCEATEWIQDPDETWMFITKKQTDQTTLRIQPAVKDFQVNITADSLFAEGKPLELVC LVVSSGRDPQLQGIWFFNGTEIAHIDAGGVGLKNDYKERASQGELQVSKLGPKAFS LKIFSLGPEDEGAYRCVVAEVMKTRTGSWQVLQRKQSPDSHVHLRKPAARSVMS

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TKNKQQVVWEGETLAFLCKAGGAESPLSVSWWHIPRDQTQPEFVAGMGQDGIVQL
 GASYGVPSYHGNTRELEKMDWATFQLEITFTAITDSGTIECRVSEKSRNQARDLSWT
 QKISVTVKSLSSQLQVSLMSRQPQVMLTNTFDLSCVVRAGYSDLKVPLTVTWQFQP
 ASSHIFHQLIRITHNGTIEWGNFLSRFQKKTQVSQSLFRSPLLHDATEEETGVYQCE
 VEVYDRNSLYNNRPPRASAISHPLRIAVTLPESKLKVNSRSQVQELSINSNTDIECSIL
 SRSNGNLQLAIWYFSPVSTNASWLKILEMDQTNVIKTGDEFHTPQRKQKFHTEKVS
 QDLFQLHILNVEDSDRGKYHCAVEEWLLSTNGTWHKLGEKKSGLTEKLTGSKV
 RVSKVYWTENVTEHREVAIRCSLESVGSSATLYSVMWYWNRENSGSKLLVHLQHD
 GLLEYGEEGLRRHLHCYRSSSTDFVLKLHQVEMEDAGMYWCRVAEWQLHGHPSK
 WINQASDESQRMVLTVPSEPTLPSRICSSAPLE

Purity

Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).

Notes

For research use only, not for use in diagnostic procedure.

Storage

Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.

Storage Buffer

PBS, 4M Urea, pH7.4

GENE INFORMATION

Gene Name

CD101 CD101 molecule [Homo sapiens (human)]

Official Symbol

CD101

Synonyms

CD101; CD101 molecule; IGSF2, immunoglobulin superfamily, member 2; immunoglobulin superfamily member 2; V7; EWI-101; leukocyte surface protein; cell surface glycoprotein V7; immunoglobulin superfamily, member 2; glu-Trp-Ile EWI motif-containing protein 101; IGSF2;

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Gene ID	9398
mRNA Refseq	NM_001256106
Protein Refseq	NP_001243035
MIM	604516
UniProt ID	Q93033

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