

Recombinant Human CD83 protein, His & GST-tagged

Cat. No. CD83-1876H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD83 aa. (Lys24~Val205) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Lys24~Val205
Description	The protein encoded by this gene is a single-pass type I membrane protein and member of the immunoglobulin superfamily of receptors. The encoded protein may be involved in the regulation of antigen presentation. A soluble form of this protein can bind to dendritic cells and inhibit their maturation. Three transcript variants encoding different isoforms have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	57kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>98%
Characteristic	The isoelectric point is 7.

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200µg/mL
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	CD83 CD83 molecule [Homo sapiens (human)]
Official Symbol	CD83
Synonyms	SCNN1A; sodium channel epithelial 1 alpha subunit; BESC2; ENaCa; SCNEA; SCNN1; ENaCalpha; amiloride-sensitive sodium channel subunit alpha; alpha ENaC-2; alpha-ENaC; alpha-NaCH; amiloride-sensitive epithelial sodium channel alpha subunit; amiloride-sensitive sodium channel subunit alpha 2; epithelial Na(+) channel subunit alpha; nasal epithelial sodium channel alpha subunit; nonvoltage-gated

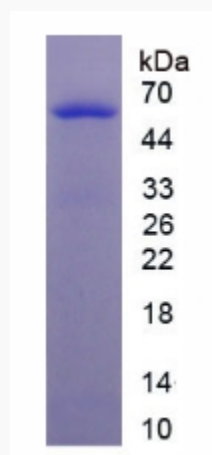
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sodium channel 1 subunit alpha; sodium channel, non voltage gated 1 alpha subunit;
sodium channel, non-voltage-gated 1 alpha; sodium channel, nonvoltage-gated 1
alpha

Gene ID	9308
mRNA Refseq	NM_001040280.1
Protein Refseq	NP_001035370.1
UniProt ID	Q01151



SDS-PAGE