Recombinant human CD3 gamma/CD3G protein

Catalog Number: ATGP3551

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
23-116aa

UniProt No.
P09693

NCBI Accession No.
NP_000064

Alternative Names
T-cell surface glycoprotein CD3 gamma chain, CD3G, CD3-GAMMA, IMD17, T3G, CD3 gamma subunit of T-cell receptor complex, CD3g antigen gamma polypeptide, TiT3 complex, T-cell receptor T3 gamma chain

PRODUCT SPECIFICATION

Molecular Weight
11.8 kDa (103aa)

Concentration
0.5mg/ml (determined by absorbance at 280nm)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity
> 85% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
CD3G, also known as T-cell surface glycoprotein CD3 gamma chain, is associated on the T cell surface with a complex of protein called CD3. The protein is the CD3-gamma polypeptide, which together with CD3-epsilon, -delta and -zeta, and the T-cell receptor alpha/beta and gamma/delta heterodimers, forms the T-cell receptor-

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CD3 complex. This complex plays an important role in coupling antigen recognition to several intracellular signal transduction pathways. Defects in this gene are associated with T cell immunodeficiency. Recombinant human CD3G protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

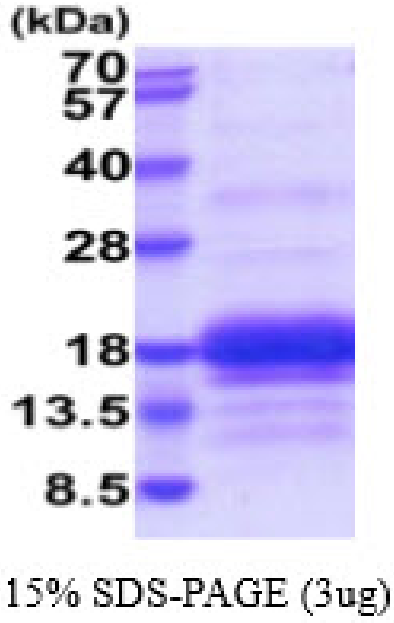
ADPQSIKGNH LVKVYDYQED GSVLLTCDAE AKNITWFKDG KMIGFLTEDK KKWNLGSNAK DPRGMYQCKG SQNKSKPLQV YYRMCQNCIE LNAATISHHH HHH

General References

Munoz-Ruiz M., et al. (2013) BMC Immunol. 14: 3.
Gokturk B., et al. (2014) Scand J Immunol. 80:354-361.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.