

Product Information

MemDX™ Membrane Protein Human CD3G (CD3g molecule) Full Length

Cat. No.: **MPC2600K**

This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human CD3G membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

CD3G

Protein Length

Full length

Protein Class

Receptor; Immunity

TMD

1

Sequence

MEQGKGLAVLILAILLLQGTLAQSIKGNHLVKVYDYQEDGSVLLTCDAEA
KNITWFKDGKMIGFLTEDKKKWNLGSNAKDPRGMYQCKGSQNKSKPLQVY
YRMCQNCIELNAATISGFLFAEIVSIFVLAVGVYFIAGQDGVQRASDK
QTLLPNDQLYQPLKDREDDQYSHLQGNQLRRN

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

CD3G

Full Name

CD3g molecule

Introduction

The protein encoded by this gene 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-CD3 complex. This complex plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. The genes encoding the epsilon, gamma and delta polypeptides are located in the same cluster on chromosome 11. Defects in this gene are associated with T cell immunodeficiency.

Alternative Names

CD3G; T3G; IMD17; CD3-GAMMA; T-cell surface glycoprotein CD3 gamma chain; CD3g antigen, gamma polypeptide (TiT3 complex); CD3g molecule, epsilon (CD3-TCR complex); CD3g molecule, gamma (CD3-TCR complex); T-cell antigen receptor complex, gamma subunit of T3; T-cell receptor T3 gamma chain; CD3g molecule

Gene ID

[917](#)

UniProt ID

[P09693](#)