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Datasheet for ABIN7504460
LY6G6D Protein (AA 20-104) (Biotin)

Overview

Quantity:	100 µg
Target:	LY6G6D
Protein Characteristics:	AA 20-104
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LY6G6D protein is labelled with Biotin.

Product Details

Purpose:	Biotinylated Human LY6G6D Protein
Sequence:	Asn20-Ser104
Characteristics:	Recombinant Biotinylated Human LY6G6D Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus. It contains Asn20-Ser104.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	LY6G6D
Alternative Name:	LY6G6D (LY6G6D Products)

Target Details

Background: LY6G6D is a selectively expressed colorectal cancer antigen that can be used for targeting a therapeutic T-cell response by a T-cell engager. LY6G6D was identified as a selectively expressed CRC antigen that can be utilized to potentially re-direct and activate cytotoxic T-cells to lyse LY6G6D expressing CRC using a TcE. This effect can be spread to target negative neighboring tumor cells, potentially leading to improved therapeutic efficacy.

Molecular Weight: 12.79 kDa. Due to glycosylation, the protein migrates to 15-20 kDa based on Tris-Bis PAGE result.

UniProt: [O95868](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

Storage: -20 °C, -80 °C

Storage Comment: -20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Expiry Date: 12 months