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Datasheet for ABIN2745816

Profilin Protein (PFN) (AA 1-163)

Overview

Quantity:	3 x 10 µg
Target:	Profilin (PFN)
Protein Characteristics:	AA 1-163
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Cross-Reactivity:	Mouse (Murine)
Characteristics:	Recombinant profilin (<i>Toxoplasma gondii</i>) (aa 1-163).
Purity:	>95 % (SDS-PAGE)
Endotoxin Level:	<0.01EU/µg purified protein (LAL test, Lonza).

Target Details

Target:	Profilin (PFN)
Alternative Name:	Profilin (PFN Products)
Background:	TLR11, an innate sensor for profilin (<i>Toxoplasma gondii</i>), is an intracellular receptor that resides in the endoplasmic reticulum. The 12 membrane-spanning endoplasmic reticulum-resident protein UNC93B1 interacts directly with TLR11 and regulates the activation of dendritic cells in response to profilin (<i>Toxoplasma gondii</i>) and parasitic infection in vivo. TLR12, a previously

Target Details

uncharacterized TLR, also recognizes profilin from *Toxoplasma gondii*. TLR12 is sufficient for recognition of profilin by plasmacytoid dendritic cells (pDCs), whereas TLR11 and TLR12 are both required in macrophages and conventional DCs. In contrast to TLR11, TLR12-deficient mice succumb rapidly to *T. gondii* infection.

Molecular Weight: ~20kDa (SDS-PAGE)

UniProt: [Q58NA1](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitute with 100 µL sterile water.

Concentration: Lot specific

Buffer: Lyophilized. Contains PBS.

Storage: 4 °C, -20 °C

Storage Comment: Short Term Storage: +4°C
Long Term Storage: -20°C
Stable for at least 6 months after receipt when stored at -20°C.

Expiry Date: 6 months