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Datasheet for ABIN2745804

**POP1 Protein (AA 2-89) (GST tag)**

## Overview

Quantity:	3 x 10 µg
Target:	POP1
Protein Characteristics:	AA 2-89
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This POP1 protein is labelled with GST tag.
Application:	SDS-PAGE (SDS)

## Product Details

Cross-Reactivity:	Human
Characteristics:	Human POP1 (aa 2-89) is fused at the N-terminus to a GST tag.
Purity:	>95 % (SDS-PAGE)

## Target Details

Target:	POP1
Alternative Name:	POP1 ( <a href="#">POP1 Products</a> )
Background:	The inflammasome is a multiprotein complex that mediates the activation of caspase-1, which promotes, amongst others, the secretion of the proinflammatory cytokines interleukin (IL)-1beta and IL-18. Members of the Nod-like receptor family (NLRs), including NLRP3/NALP3, are critical components of the inflammasome that link danger-signals to caspase-1 activation.

## Target Details

Defects in NLRP3 are the cause of familial cold autoinflammatory syndrome type 1 (FCAS1), Muckle-Wells syndrome (MWS) and of chronic infantile neurologic cutaneous and articular syndrome (CINCA). Pyrin domain-containing protein 1 (POP1) interacts with the protein Asc (Pycard) and modulates the interaction of Asc to NLR proteins.

Molecular Weight: ~38 kDa

UniProt: [Q8WXC3](#)

## 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