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Datasheet for ABIN7320825
IMPAD1 Protein (His tag)

1 Image

Overview

Quantity:	50 µg
Target:	IMPAD1
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IMPAD1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse IMPAD1/IMP3 Protein (His Tag)
Sequence:	Glu51-His356
Characteristics:	Recombinant Mouse IMPAD1 is produced by our Mammalian expression system and the target gene encoding Glu51-His356 is expressed with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	IMPAD1
Alternative Name:	IMPAD1/IMP3 (IMPAD1 Products)
Background:	Background: IMPAD1 protein (IMP3, gPAPP or IMPase 3) belongs to the inositol monophosphatase family. It is found in Purkinje cells, brain stem, lung and chondrocytes. Mouse IMPAD1 gene encodes a type II transmembrane Golgi-embedded glycoprotein with 356

Target Details

amino acid residues which generates a 306 amino acid residues mature protein after processing. It is expressed in embryo, and in theory may catalyze myo-inositol monophosphate to myo-inositol. Free myo-inositol is used to generate inositol phospholipid, an essential component of intracellular signaling pathways that mobilize calcium. Mouse IMPAD1 exhibits 91 % sequence identity with the human homologue.

Synonym: Inositol monophosphatase 3, Impad1, IMPA3

Molecular Weight: 34.3 kDa

UniProt: [Q80V26](#)

Pathways: [Glycosaminoglycan Metabolic Process](#)

Application Details

Restrictions: For Research Use only

Handling

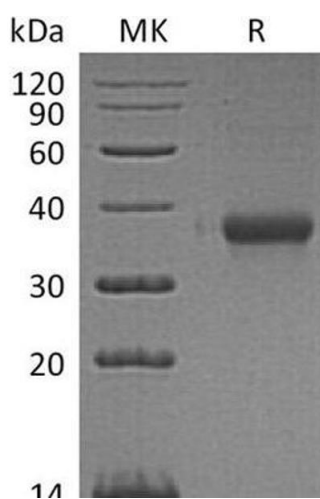
Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM Tris, 150 mM NaCl, 10 % Glycerol, pH 8.0.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Images



Western Blotting

Image 1.