

Datasheet for ABIN7317488 DPP10 Protein (His tag)



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Overview

Quantity:	100 µg
Target:	DPP10
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DPP10 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human DPP10/DPRP3 Protein (His Tag)
Sequence:	Leu 56-Glu 796
Characteristics:	A DNA sequence encoding the human DPP10 isoform 1 (Q8N608-1) extracellular domain (Leu 56-Glu 796) was expressed, with a polyhistidine tag at the N-terminus.
Purity:	> 97 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	DPP10
Alternative Name:	DPP10/DPRP3 (DPP10 Products)
Background:	Background: Inactive dipeptidyl peptidase 10, also known as Dipeptidyl peptidase IV-related protein 3, Dipeptidyl peptidase X, Dipeptidyl peptidase-like protein 2, DPRP-3, DPL2 and DPP10, is a single-pass type I I membrane protein which belongs to the peptidase S9B family. DPP1V

Target Details

subfamily. It may modulate cell surface expression and activity of the potassium channels KCND1 and KCND2. DPP10 / DPRP3 has no detectable protease activity, most likely due to the absence of the conserved serine residue normally present in the catalytic domain of serine proteases. However, it does bind specific voltage-gated potassium channels and alters their expression and biophysical properties. Genetic variations in DPP10 are associated with susceptibility to asthma (ASTHMA). The most common chronic disease affecting children and young adults. It is a complex genetic disorder with a heterogeneous phenotype, largely attributed to the interactions among many genes and between these genes and the environment. It is characterized by recurrent attacks of paroxysmal dyspnea, with weezing due to spasmodic contraction of the bronchi.

Synonym: DPL2;DPPY;DPRP-3;DPRP3

Molecular Weight: 87.4 kDa

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.