

DPP10 Protein, Human (HEK293, His)

Cat. No.:	HY-P75281
Synonyms:	Inactive dipeptidyl peptidase 10; DPRP-3; DPP X; DPL2; DPP10
Species:	Human
Source:	HEK293
Accession:	Q8N608 (L56-E796)
Gene ID:	57628
Molecular Weight:	90-110 kDa

PROPERTIES

Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background

DPP10 Protein emerges as a key regulator in cellular dynamics by promoting the cell surface expression of the potassium channel KCND2, showcasing its involvement in modulating the activity and gating characteristics of this potassium channel. Contrary to its nomenclature, DPP10 demonstrates no dipeptidyl aminopeptidase activity. This multifaceted protein may form oligomers, indicating potential involvement in complex molecular assemblies. Notably, DPP10 engages in specific interactions with both KCND1 and KCND2, suggesting its active role in the modulation of potassium channel function. The intricate interplay of DPP10 with these channels underscores its significance in shaping cellular excitability and warrants further exploration to unravel the detailed mechanisms governing its regulatory functions in potassium channel dynamics.

Caution: Product has not been fully validated for medical applications. For research use only.

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