

Recombinant Human DPP8 Protein (M1-I898), His tagged

Cat. No. DPP8-0390H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human 8His-TEV-DPP 8(M1-I898 end) Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	M1-I898
Description	Dipeptidyl peptidase that cleaves off N-terminal dipeptides from proteins having a Pro or Ala residue at position 2. Acts as a key inhibitor of caspase-1-dependent monocyte and macrophage pyroptosis in resting cells by preventing activation of NLRP1 and CARD8. Sequesters the cleaved C-terminal part of NLRP1 and CARD8, which respectively constitute the active part of the NLRP1 and CARD8 inflammasomes, in a ternary complex, thereby preventing their oligomerization and activation. The dipeptidyl peptidase activity is required to suppress NLRP1 and CARD8; however, neither NLRP1 nor CARD8 are bona fide substrates of DPP8, suggesting the existence of substrate(s) required for NLRP1 and CARD8 inhibition.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	90%

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Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	DPP8 dipeptidyl-peptidase 8 [Homo sapiens (human)]
Official Symbol	DPP8
Synonyms	DPP8; dipeptidyl-peptidase 8; dipeptidylpeptidase 8; dipeptidyl peptidase 8; dipeptidyl peptidase IV related protein 1; dipeptidyl peptidase VIII; DP8; DPRP1; FLJ14920; FLJ20283; MGC26191; MSTP141; prolyl dipeptidase DPP8; DPRP-1; DPP VIII; dipeptidyl peptidase IV-related protein 1; dipeptidyl peptidase IV-related protein-1;
Gene ID	54878
mRNA Refseq	NM_017743
Protein Refseq	NP_060213
MIM	606819
UniProt ID	Q6V1X1

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