

Recombinant Human DPP7 Protein, His-tagged

Cat. No. DPP7-791H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human DPP7 protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	492
Description	The protein encoded by this gene is a post-proline cleaving aminopeptidase expressed in quiescent lymphocytes. The resting lymphocytes are maintained through suppression of apoptosis, a state which is disrupted by inhibition of this novel serine protease. The enzyme has strong sequence homology with prolylcarboxypeptidase and is active at both acidic and neutral pH.
Form	Lyophilized
Molecular Mass	53 kDa
AA Sequence	MGSAPWAPVLLLALGLRGLQAGARRAPDPGFQERFFQQRLDHFNFERFGNKTFPQ RFLVSDRFWVRGEGPIFFYTGNEGDVWAFANNSAFVAELAAERGALLVFAEHRYYG KSLPFGAQSTQRGHTELLTVEQALADFAELLRALRRDLGAQDAPAIAFGGSYGGML SAYLRMKYPHLVAGALAASAPVLAVAGLGDSNQFFRDVTADFEGQSPKCTQGVRE AFRQIKDLFLQGAYDTRWEFGTCQPLSDEKDLTQLFMFARNAFTVLAMMDYPYPT DFLGPLPANPVKVGCDRLLEAQIRITGLRALAGLVYNASGSEHCYDIYRLYHSCADP TGCGTGPDARAWDYQACTEINLTFASNNVTDMFPDLPFTDELQRQRYCLDTWGVWP

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	RPDWLLTSFWGGDLRAASNIIFSNGNLDPWAGGGIRRNLASVIAVTIQGGAHHLDL RASHPEDPASVVEARKLEATIIGEWVKAARREQQPALRGGPRLSL
Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name	DPP7 dipeptidyl-peptidase 7 [Homo sapiens (human)]
Official Symbol	DPP7
Synonyms	DPP7; dipeptidyl-peptidase 7; dipeptidylpeptidase 7; dipeptidyl peptidase 2; DPPII; DPP II; carboxytripeptidase; dipeptidyl peptidase II; dipeptidyl-peptidase II; dipeptidyl arylamidase II; dipeptidyl aminopeptidase II; quiescent cell proline dipeptidase; QPP;

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	DPP2;
Gene ID	29952
mRNA Refseq	NM_013379
Protein Refseq	NP_037511
MIM	610537
UniProt ID	Q9UHL4

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