

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	MGSAPWAPVLLLALGLRGLQAGARRAPDPGFQERFFQQRLDHFNFERFGNKTFFPQ RFLVSDRFWVRGEGPIFFYTGNEDVWAFANNSAFVAELAAERGALLVFAEHRYYG KSLPFGAQSTQRGHTELLTVEQALADFAELLRALRRDLGAQDAPAIAFGGSYGGML SAYLRMKYPHLVAGALAASAPVLAVAGLGDNSQFFRDVTADFEQGQSPKCTQGVRE AFRQIKDLFLQGAYDTRWEFGTCQPLSDEKDLTQLFMFARNAFTVLAMMDYPYPT DFLGPLPANPVKVGCDRLLSEAQRITGLRALAGLVYNASGSEHCYDIYRLYHSCADP TGCGTGPDARAWDYQACTEINLTFASNNVTDMPDLPFTDELQRQRYCLDTWGVWP

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RPDWLLTSFWGGDLRAASNIIIFSNGNLDPWAGGGIRRNLASVIAVTIQGGAHHLDL
RASPEDPASVVEARKLEATIIGEWVKAARREQQPALRGGPRLSL

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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