

Recombinant Human DPP3

Catalog No: CH47

Description	Recombinant Human Dipeptidyl aminopeptidase III is produced by our E.coli expression system and the target gene encoding Met1-Ala737 is expressed with a 6His tag at the N-terminus.
Source	E. coli
Alternative name	Dipeptidyl peptidase 3;Dipeptidyl aminopeptidase III;Dipeptidyl arylamidase III;Dipeptidyl peptidase III;Enkephalinase B;DPP3
Accession No.	Q9NY33
Formulation	Supplied as a 0.2 µm filtered solution of 20mM Tris,150mM NaCl,pH8.0.
Quality Control	Purity: Greater than 90% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Storage	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.

Amino Acid Sequence

MGSSHHHHHHSSGLVPRGSHMADTQYILPNDIGVSSLDCEAFRLSPTERLYAYHLSRAAWYGGGLAV
LLQTSPEAPYIYALLSRLFRAQDPDQLRQHALAEGLTTEEYQAFLVYAAGVYSNMGNYSFGDTKFVFN
LPKEKLRLVILGSEAAQQHPPEVRGLWQTCGELMFSLEPRLRHLGLGKEGITYFSGNCTMEDAKLAQ
DFLDSQNL SAYNTRLFKEVDGEGKPYEVRSLASVLGSEPSLDSEVTSKLKSYEFRGSPFQVTRGDYAPI
LQKVVEQLEKAKAYAANSHQGQMLAQYIESFTQGSIEAHKRGSRFWIQDKGPIVESYIGFIESYRDPFGS
RGEFEGFVAVVNKAMSAKFERLVASAEQLLKELPWPPTFEKDKFLTPDFTSLDVLTFAGSGIPAGINIPN
YDDL RQTEGFKNVSLGNVLAVAYATQREKLT FLEEDDKDLYILWKGPSFDVQVGLHELLGHGSGKLFV
QDEKGA FNFDQETVINPETGEQISWYRSGETWDSKFSTIASSYEECRAESVGLYLCLHPQVLEIFGFE
GADAEDVIYVNWLNVMVRAGLLALEFYTPAFNWRQAHMQARFVILRVLLEAGEGLVTITPTTGSDGRPD
ARVRLDRSKIRSVGKPALERFLRRLQVLKSTGDVAGGRALYEGYATVTDAPPECFLTLRDTVLLRKESR
KLIVQPNTRLGSDVQLLEYEASAAGLIRSF SERFPEDGPELEEILTQLATADARFWKGPSEAPSGQA

Background

Dipeptidyl peptidase 3(DPP3), is a member of the S9B family in clan SC of the serine proteases. DPP3 has post- proline dipeptidyl aminopeptidase activity, cleaving Xaa-Pro dipeptides from the N-termini of proteins. This cytoplasmic protein binds a single zinc ion with its zinc-binding motif (HELLGH). It releases an N-terminal dipeptide from a peptide comprising four or more residues, with broad specificity and also acts on dipeptidyl 2- naphthylamides.Increased activity of this protein has a relationship with endometrial and ovarian cancers.

SDS-Page

