

DPP3 Protein, Human, Recombinant (His)

General Information

Synonyms:	Dipeptidyl arylamidase III;Dipeptidyl aminopeptidase III;Dipeptidyl peptidase 3;DPP3;Dipeptidyl peptidase III;Enkephalinase B
Protein Construction:	Met1-Ala737
Species:	Human
Expression Host:	E. coli
Accession:	Q9NY33
Molecular Weight:	70-90 KDa (reducing condition)
AA Sequence:	Met1-Ala737

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Supplied as a 0.2 μm filtered solution of 25 mM Tris-HCl, 10 mM NaCl, 2 mM DTT, 0.05% Tween 80, 20% Glycerol, pH 8.0.

Preparation and Storage

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein 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.

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