Recombinant Mouse CPA2 Protein (His Tag)

Catalog Number: PKSM041201



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms CPA2;Carboxypeptidase A2

Species Mouse

Expression Host HEK293 Cells
Sequence Gln17-Tyr417
Accession Q504N0
Calculated Molecular Weight 46.2 kDa
Observed molecular weight 41-50 kDa
Tag C-His

Properties

Purity > 95 % as determined by reducing SDS-PAGE.

Endotoxin $< 1.0 \text{ EU per } \mu \text{g of the protein as determined by the LAL method.}$

Storage Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to

-80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots

of reconstituted samples are stable at < -20°C for 3 months.

Shipping This product is provided as lyophilized powder which is shipped with ice packs.

Formulation Lyophilized from a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH

8.0.

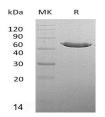
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as

protectants before lyophilization.

Please refer to the specific buffer information in the print

Reconstitution Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Mouse carboxypeptidase A2(CPA2) is a secreted pancreatic procarboxy -peptidase which belongs to the peptidase M14 family. CPA2 consists of a signal peptide, a pro region and a mature chain. It can be activated after cleavage of the pro peptide. CPA2 cleaves the C-terminal amide or ester bond of peptides that have a free C-terminal carboxyl group. The hydrolytic action of CPA2 was identified with a preference towards long substrates with aromatic amino acids in their C-terminal end, particularly tryptophan.

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