Recombinant Human ODC1 Protein (His &T7 Tag)

Catalog Number: PKSH032837

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

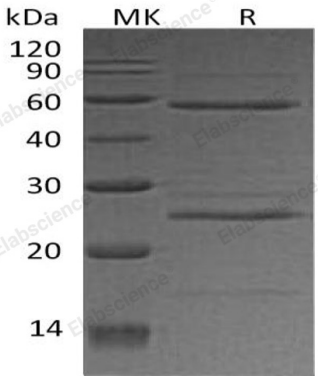
Description

Species	Human
Source	E.coli-derived Human ODC1 protein Met 1-Val461, with an N-terminal T7 & C-terminal His
Calculated MW	53.5 kDa
Observed MW	25 &58 kDa
Accession	P11926
Bio-activity	Not validated for activity

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Concentration	Subject to label value.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/ gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 μm filtered solution of 20 mM Tris-HCl, 100 mM NaCl, 8% Trehalose, 2% Mannitol, 4 mM TCEP, 0.05% Tween 80, pH8.0.

Data



> 90 % as determined by reducing SDS-PAGE.

Background

Ornithine decarboxylase (ODC1) is an enzyme which belongs to the Orn/Lys/Arg decarboxylase class-II family. ODC1 is the rate-limiting enzyme of the polyamine biosynthesis pathway which catalyzes ornithine to putrescine. The activity level for the enzyme varies in response to growth-promoting stimuli and exhibits a high turnover rate in comparison to other mammalian proteins.

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