



Recombinant Protein Technical Manual
Recombinant Human ODC1 Protein (His & T7 Tag)
RPES0917

Product Data:

Product SKU: RPES0917

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P11926

Protein Information:

Molecular Mass: 53.5 kDa

AP Molecular Mass: 25 & 58 kDa

Tag: C-6His, N-T7

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg 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 20mM TrisHCl, 150mM NaCl, pH 8.0.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Ornithine decarboxylase; ODC1;

Immunogen Information:

Sequence: Met 1-Val461

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.