

Recombinant Human DBH protein, His & T7-tagged

Cat. No. DBH-6945H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DBH aa. (His335~Val571 (Accession # P09172)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	His335~Val571
Description	The protein encoded by this gene is an oxidoreductase belonging to the copper type II, ascorbate-dependent monooxygenase family. It is present in the synaptic vesicles of postganglionic sympathetic neurons and converts dopamine to norepinephrine. It exists in both soluble and membrane-bound forms, depending on the absence or presence, respectively, of a signal peptide.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 30.6kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 7.7.

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Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

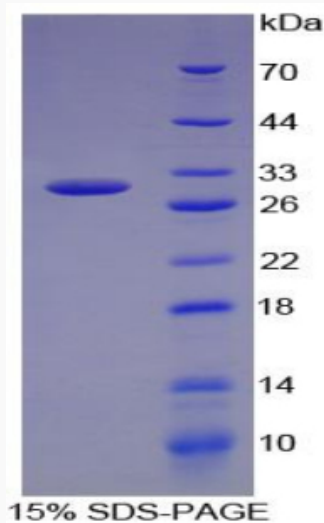
Gene Name	DBH dopamine beta-hydroxylase [Homo sapiens (human)]
Official Symbol	DBH
Synonyms	DBH; dopamine beta-hydroxylase; DBM; dopamine beta-hydroxylase; dopamine beta-hydroxylase (dopamine beta-monoxygenase)
Gene ID	1621
mRNA Refseq	NM_000787.3
Protein Refseq	NP_000778.3
UniProt ID	P09172

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SDS-PAGE



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