

# Recombinant Human DOPA Decarboxylase/DDC Protein (His Tag)

RPES3001

## Description

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This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

## Protein Information

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**SKU:** RPES3001

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

**Contents:** 50µg  
Bradford Reagent: 1 vial (2ml)

**Concentration:** Subject to label value.

**Species:** Human

**Endotoxin:** < 1.0 EU per µg of the protein as determined by the LAL method.

**Synonyms:** AADC

**Storage:** Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.  
Store Bradford Reagent at Room Temperature for 1 year.

**Tag:** C-His

**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.

**Expression Host:** Baculovirus-Insect Cells

**Bio-Activity:** Measured by its ability to convert the substrate 3, 4-dihydroxy L-phenylalanine (L- Dopa) to 3, 4-dihydroxyphenylethylamine (dopamine). The dopamine product is measured by its absorbance at 340 nm after derivatization with trinitrobenzene sulfonic acid. The specific activity is > 1000 pmoles/min/µg.

**Calculated MW:** 55.0 kDa

**Formulation:** Supplied as sterile solution of 50mM Tris, 100mM NaCl, pH 8, 10% glycerol

**Observed MW:** 48 kDa

**Reconstitution:** -

**Accession:** NP\_000781.1

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in

**Manufacturers Statement:** This final kit system is assembled and quality-released by Assay Genie Limited.

**Source:** Baculovirus-Insect Cells-derived Human DOPA Decarboxylase/DDC protein Met 1- Glu 480, with an C-terminal His

this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

**Sequence:** Met 1-Glu 480

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

**Form:** Liquid