

Product datasheet for **AR09186PU-N**

AADC / DDC (1-480, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	AADC / DDC (1-480, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> <u>TRSMNASEFR</u> RRGKEMVDYV ANYMEGIEGR QVYPDVEPGY LRPLIPAAAP QEPDTFEDII NDVEKIIMPG VTHWHSPYFF AYFPTASSYP AMLADMLCGA IGCIGFSWAA SPACTELETV MMDWLGKMLE LPKAFLEKA GEGGGVIQGS ASEATLVALL AARTKVIHRL QAASPELTQA AIMEKLVAYS SDQAHSSVER AGLIGGVKLK AIPSDGNFAM RASALQEAL RDKAAGLIPF FMVATLGTTC CCSFDNLLEV GPICNKEDIW LHVDAAYAGS AFICPEFRHL LNGVEFADSF NFNPHKWLLV NFDCSAMWVK KRTDLTGAFR LDPTYLKHSQ QDGLITDYR HWQIPLGRRF RSLKMWFVFR MYGVKGLQAY IRKHVQLSHE FESLVRQDPR FEICVEVILG LVCFRLKGSN KVNEALLQRI NSAKKIHLVP CHLRDKFVLR FAICSRVTS AHVQRAWHEHI KELAADVLR AERE
Tag:	His-tag
Predicted MW:	56.4 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 2 mM DTT, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant Human Dopa decarboxylase protein, fused to <i>His-tag</i> at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_000781</u>
Locus ID:	1644



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UniProt ID:	P20711
Cytogenetics:	7p12.2-p12.1
Synonyms:	DOPA decarboxylase
Summary:	The encoded protein catalyzes the decarboxylation of L-3,4-dihydroxyphenylalanine (DOPA) to dopamine, L-5-hydroxytryptophan to serotonin and L-tryptophan to tryptamine. Defects in this gene are the cause of aromatic L-amino-acid decarboxylase deficiency (AADCD). AADCD deficiency is an inborn error in neurotransmitter metabolism that leads to combined serotonin and catecholamine deficiency. Multiple alternatively spliced transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Jun 2011]
Protein Families:	Druggable Genome
Protein Pathways:	Histidine metabolism, Metabolic pathways, Phenylalanine metabolism, Tryptophan metabolism, Tyrosine metabolism

Product images: