

Datasheet for ABIN5854719
DCT Protein (AA 24-472) (His tag)



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1 Image

Overview

Quantity:	50 µg
Target:	DCT
Protein Characteristics:	AA 24-472
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DCT protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	QFPRVCMTVD SLVNKECCPR LGAESANVCG SQQGRGQCTE VRADTRPWSG PYILRNQDDR ELWPRKFFHR TCKCTGNFAG YNCGDCKFGW TGPNCERKKP PVIRQNIHSL SPQEREQFLG ALDLAKRVH PDYVITTQHW LGLLGPNGTQ PQFANCSVYD FFVWLHYYSV RDTLLGPGRP YRAIDFSHQG PAFVTWHRYH LLCLERDLQR LIGNESFALP YWNFATGRNE CDVCTDQLFG AARPDDPTLI SRNSRFSSWE TVCDSLDDYN HLVTLGNGTY EGLLRNQMG RNSMKLPTLK DIRDCLSLQK FDNPPFFQNS TFSFRNALEG FDKADGTLDS QVMSLHNLVH SFLNGTNALP HSAANDPIFV VLHSFTDAIF DEWMKRFNPP ADAWPQELAP IGHNRMYNMV PFFPPVTNEE LFLTSDQLGY SYAIDLPSV EETPGWPTTH HHHHH
Purity:	> 90 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1 microgram of protein (determined by LAL method)

Target Details

Target:	DCT
Alternative Name:	DCT (DCT Products)
Background:	<p>DCT, as known as L-dopachrome tautomerase isoform 1, is the tyrosinase family members. This protein plays a key role in the synthesis of the melanin pigment including tyrosinase (Tyr), tyrosinase-related protein 1 (Tyrp1). These are strongly implicated in eumelanin synthesis. The switch between the eumelanin and the pheomelanin pathways is thought to depend on the presence of cysteine. Thus, in the absence of cysteine, dopaquinone, the product of tyrosinase action, is transformed to cyclodopa (leucodopachrome) and then to dopachrome (and DOPA). Recombinant human DCT, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.</p>
Molecular Weight:	52.1kDa (455aa) 50-70kDa (SDS-PAGE under reducing conditions.)
NCBI Accession:	NP_001913
UniProt:	P40126

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



15% SDS-PAGE (3ug)

SDS-PAGE

Image 1.