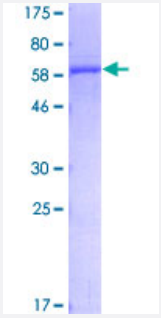
Full-Length

UROD (Human) Recombinant Protein (P01)

Catalog # H00007389-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human UROD full-length ORF (AAH01778.1, 1 a.a. - 367 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MEANGLGPQGFPELKNDTFLRAAWGEETDYTPVWCMRQAGRYLPEFRETRAAQDFFSTCRSPE ACCELTLQPLRRFPLDAAIIFSDILVVPQALGMEVTMVPGKGPSFPEPLREEQDLERLRDPEVVA SELGYVFQAITLTRQRLAGRVPLIGFAGAPWTLMTYMVEGGGSSTMAQAKRWLYQRPQASHQLLR ILTDALVPYLVGQVVAGAQALQLFESHAGHLGPQLFNKFALPYIRDVAKQVKARLREAGLAPVPMII FAKDGHFALEELAQAGYEVVGLDWTVAPKKARECVGKTVTLQVNLDPCALYASEEEIGQLVKQM LDDFGPHRYIANLGHGLYPDMDPEHVGAFVDAVHKHSRLLRQN
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	66
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — UROD

Entrez GeneID	7389
GeneBank Accession#	BC001778.1
Protein Accession#	AAH01778.1
Gene Name	UROD
Gene Alias	PCT
Gene Description	uroporphyrinogen decarboxylase
Omim ID	176100
Gene Ontology	Hyperlink
Gene Summary	This gene encodes the fifth enzyme of the heme biosynthetic pathway. This enzyme is responsible for catalyzing the conversion of uroporphyrinogen to coproporphyrinogen through the removal of fo ur carboxymethyl side chains. Mutations and deficiency in this enzyme are known to cause familial porphyria cutanea tarda and hepatoerythropoetic porphyria. [provided by RefSeq
Other Designations	OTTHUMP00000010502|fifth enzyme of heme biosynthetic pathway|fifth enzyme of the heme bios ynthetic pathway|uroporphyrinogen III decarboxylase

Pathway

- Porphyrin and chlorophyll metabolism

Disease

- Genetic Predisposition to Disease
- Porphyria
- Porphyria Cutanea Tarda