

Recombinant Human UROD Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. UROD-1672H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	UROD MS Standard C13 and N15-labeled recombinant protein (NP_000365) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes an enzyme in the heme biosynthetic pathway. This enzyme is responsible for catalyzing the conversion of uroporphyrinogen to coproporphyrinogen through the removal of four carboxymethyl side chains. Mutations and deficiency in this enzyme are known to cause familial porphyria cutanea tarda and hepatoerythropoetic porphyria.
Molecular Mass	40.8 kDa
AA Sequence	MEANGLGPQGFPPELKNDTFLRAAWGEETDYTPVWCMRQAGRYLPEFRETRAQD FFSTCRSPEACCELTQLPLRRFPLDAAIIFSDILVVPQALGMEVTMVPKGKPSFPEPL REEQDLERLRDPEVVASELGYVFQAITLTRQRLAGRVPLIGFAGAPWTLMTYMVEG GGSSTMAQAKRWLYQRPQASHQLLRILTDALVPYLVGQVVAGAQAQLQFESHAGHL GPQLFNKFALPYIRDVAKQVKARLREAGLAPVPMIIFAKDGHFALEELAQAQYEVVGL DWTVAPKKARECVGKTVTLQVNLDPCALYASEEEIGQLVKQMLDDFGPHRYIANLG HGLYPDMDPEHVGA FVDAVHKHSRLLRQNTTRTRPLEQKLISEEDLAANDILDYKDDD DKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

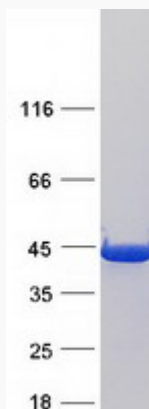
Gene Name	UROD uroporphyrinogen decarboxylase [Homo sapiens (human)]
Official Symbol	UROD
Synonyms	UROD; uroporphyrinogen decarboxylase; uroporphyrinogen III decarboxylase; PCT; UPD;
Gene ID	7389
mRNA Refseq	NM_000374
Protein Refseq	NP_000365
MIM	613521
UniProt ID	P06132

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SDS-PAGE



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