Recombinant Full Length Human TYR Protein, C-Flag-tagged

Cat. No. TYR-1016HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human TYR Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	The enzyme encoded by this gene catalyzes the first 2 steps, and at least 1 subsequent step, in the conversion of tyrosine to melanin. The enzyme has both tyrosine hydroxylase and dopa oxidase catalytic activities, and requires copper for function. Mutations in this gene result in oculocutaneous albinism, and nonpathologic polymorphisms result in skin pigmentation variation. The human genome contains a pseudogene similar to the 3' half of this gene.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	58.3 kDa
AA Sequence	MLLAVLYCLLWSFQTSAGHFPRACVSSKNLMEKECCPPWSGDRSPCGQLSGRGS CQNILLSNAPLGPQFP FTGVDDRESWPSVFYNRTCQCSGNFMGFNCGNCKFGFW GPNCTERRLLVRRNIFDLSAPEKDKFFAYLTL AKHTISSDYVIPIGTYGQMKNGSTPM FNDINIYDLFVWMHYYVSMDALLGGSEIWRDIDFAHEAPAFLPW HRLFLLRWEQEIQ KLTGDENFTIPYWDWRDAEKCDICTDEYMGGQHPTNPNLLSPASFFSSWQIVCSRL E EYNSHQSLCNGTPEGPLRRNPGNHDKSRTPRLPSSADVEFCLSLTQYESGSMDK AANFSFRNTLEGFASP LTGIADASQSSMHNALHIYMNGTMSQVQGSANDPIFLLHH

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

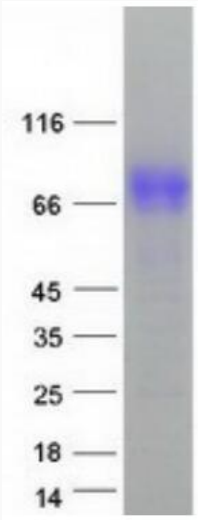
	AFVDSIFEQWLRRHRPLQEVYPEANAPIGH NRESYMVPFIPLYRNGDFFISSKDLGY DYSYLQDSDPDSFQDYIKSYLEQASRIWSWLLGAAMVGAVLTA LLAGLVSLLCRHKRKQLPEEKQPLLMEKEDYHSLYQSHLTRTRPLEQKLISEEDLAA NDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Transmembrane
Protein Pathways	Melanogenesis, Metabolic pathways, Riboflavin metabolism, Tyrosine metabolism
Full Length	Full L.

GENE INFORMATION

Gene Name	TYR tyrosinase [Homo sapiens (human)]
Official Symbol	TYR
Synonyms	ATN; CMM8; OCA1; OCA1A; OCAIA; SHEP3

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Gene ID	7299
mRNA Refseq	NM_000372.5
Protein Refseq	NP_000363.1
MIM	606933
UniProt ID	P14679



Coomassie blue staining of purified TYR protein.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA