

Recombinant Human TYR Protein (19-377 aa), His-tagged

Cat. No. TYR-1551H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TYR Protein (19-377 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Metabolism. Protein Description: Partial.
Species	Human
Source	Yeast
ProteinLength	19-377 aa
Description	This is a copper-containing oxidase that functions in the formation of pigments such as melanins and other polyphenolic compounds. Catalyzes the rate-limiting conversions of tyrosine to DOPA, DOPA to DOPA-quinone and possibly 5,6-dihydroxyindole to indole-5,6 quinone.
Form	Tris-based buffer,50% glycerol
Molecular Mass	42.7 kDa
AA Sequence	HFPRACVSSKNLMEKECCPPWSGDRSPCGQLSGRGSCQNILLSNAPLGPQFPFTG VDDRESWPSVFNRTCQCSGNFMGFNCGNCKFGFWGPNCTERRLLVRRNIFDLA PEKDKFFAYLTLAKHTISSDYVIPIGTYGQMKNGSTPMFNDINIYDLFVWMHYYVSM ALLGGSEIWRDIDFAHEAPAFLPWHRLLRWEQEIQKLTGDENFTIPYWDWRDAEK CDICTDEYMGGQHPTNPNULLSPASFFSSWQIVCSRLEEYNHQSLCNGTPEGPLRR NPGNHDKSRTPLPSSADVEFCLSLTQYESGSMDKAANFSFRNTLEGFASPLTGIA

 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

DASQSSMHNALHIYMNGTMSQV

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name [TYR tyrosinase \(oculocutaneous albinism IA\) \[Homo sapiens \]](#)

Official Symbol [TYR](#)

Synonyms TYR; tyrosinase; OCAIA; LB24-AB; SK29-AB; CMM8; OCA1A; SHEP3;

Gene ID [7299](#)

mRNA Refseq [NM_000372](#)

Protein Refseq [NP_000363](#)

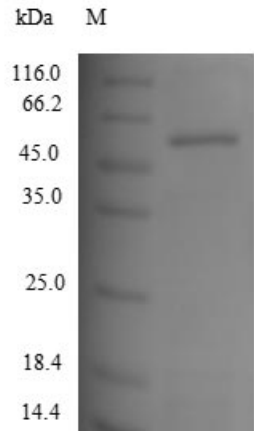
MIM [606933](#)

UniProt ID [P14679](#)

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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