

## Recombinant human Tyrosinase

Catalog No: #AP72833



Package Size: #AP72833-1 20ug #AP72833-2 100ug #AP72833-3 1mg

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## Description

Product Name	Recombinant human Tyrosinase
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:19-377aaSequence Info:Partial
Other Names	LB24-ABMonophenol monooxygenase;SK29-ABTumor rejection antigen AB
Accession No.	P14679
Uniprot	P14679
GeneID	7299;
Calculated MW	42.7 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	HFPRACVSSKNLMEKECCPPWSGDRSPCGQLSGRGSCQNILLSNAPLGPQFPFTGVDDRESWPSVFYNRTC QCSGNFMGFNCGNCKFGFWGPNCTERRLLVRRNIFDLSAPEKDKFFAYLTLAKHTISSDYVIPIGTYGQMKNQ STPMFNDINIYDLFVWMHYVVSMDALLGGSEIWRDIDFAHEAPFLPWHRLFLLRWEQEIQKLTGDENFTIPYW DWRDAEKCDICTDEYMGQHPNPNLLSPASFFSSWQIVCSRLEEYNSHQSLCNGTPEGPLRRNPGNHDKS RTPRLPSSADVEFCLSLTQYESGSMDKAANFSFRNTLEGFASPLTGIADASQSSMHNALHIYMNGTMSQV
Formulation	Tris-based buffer50% glycerol
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°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

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.

## References

Detection of 53 novel DNA variations within the tyrosinase gene and accumulation of mutations in 17 patients with albinism.Opitz S., Kaesmann-Kellner B., Kaufmann M., Schwinger E., Zuehlke C.Hum. Mutat. 23:630-631(2004)Research Topic:Metabolism

Note: This product is for in vitro research use only