

Product datasheet for TP525860

Tyr (NM_011661) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse tyrosinase (Tyr), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR225860 representing NM_011661 Red =Cloning site Green =Tags(s)

MFLAVLYCLLWSFQISDGHFPRACASSKNLLAKECCPPWMGDGSPCGQLSGRGSCQDILLSSAPSGPQFP
FKGVDDRESWPSVFYNRTCQCSGNFMGFNCGNCKFGFGPNCTEKRVLIRRNIIFDLVSEKNKFFSYLTL
AKHTISSVYIPTGTYGQMNGSTPMFNDINIYDLFVWMHYVSRDTLLGGSEIWRDIDFAHEAPGFLPW
HRLFULLWEQEIRELTGDENFTVPYWDWRDAENCIDICTDEYLGGRRHPENPNLLSPASFFSSWQIICRSRSE
EYNHQVLC DGTPEGPLLRNPGNHDKAKTPRLPSSADVEFCLSLTQYESGSM DRTANFSFRNTLEGFASP
LTGIADPSQSSMHNALHIFMNGTMSQVQGSANDPIFLLHHAFVDSIFEQWLRHRPLLEVYPEANAPIGH
NRDSYMPFIPLYRNGDFFITSKDLGYDYSYLQESDPGFYRNYIEPYLEQASRIWPWLLGAALVGAVIAA
ALSGLSSRLCLQKKKKKKQPQEERQPLLMKDDYHSLLYQSHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	61.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_035791</u>



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Locus ID: 22173

UniProt ID: [P11344](#), [Q91XK0](#)

RefSeq Size: 3307

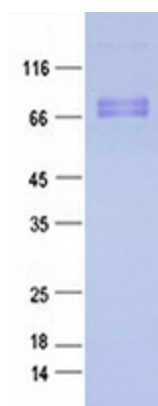
Cytogenetics: 7 49.01 cM

RefSeq ORF: 1599

Synonyms: albino; c; Oca1; skc35

Summary: This is a copper-containing oxidase that functions in the formation of pigments such as melanins and other polyphenolic compounds. Catalyzes the initial and rate limiting step in the cascade of reactions leading to melanin production from tyrosine. In addition to hydroxylating tyrosine to DOPA (3,4-dihydroxyphenylalanine), also catalyzes the oxidation of DOPA to DOPA-quinone, and possibly the oxidation of DHI (5,6-dihydroxyindole) to indole-5,6 quinone (PubMed:2494997, PubMed:2517217, PubMed:1537333).[UniProtKB/Swiss-Prot Function]

Product images:



Purified recombinant protein Tyr was analyzed by SDS-PAGE gel and Coomassie Blue Staining.