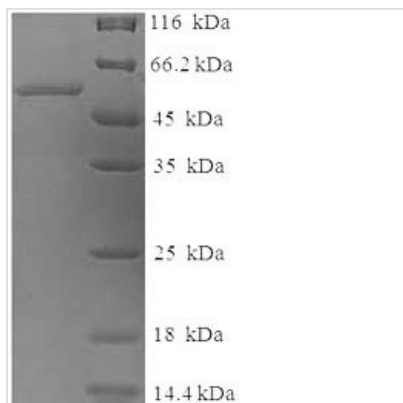




Recombinant Human Tyrosinase (TYR), partial

| | |
|--------------------------|---|
| Product Code | CSB-EP025394HU |
| Relevance | 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. |
| Abbreviation | Recombinant Human TYR protein, partial |
| 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. |
| Uniprot No. | P14679 |
| Alias | LB24-ABMonophenol monooxygenase;SK29-ABTumor rejection antigen AB |
| Product Type | Recombinant Protein |
| Immunogen Species | Homo sapiens (Human) |
| Purity | Greater than 90% as determined by SDS-PAGE. |
| Sequence | HFPRACVSSKNLMEKECCPPWSGDRSPCGQLSGRGSCQNILLSNAPLGPQF PFTGVDDRESWPSVFYNRTCQCSEGNFMGFNCGNCKFGFWGPNCTERRLLV RRNIFDLSAPEKDKFFAYLTLAKHTISSDYVIPIGTYGQMKNGSTPMFNDINIYDL FVWMHYVVSMDALLGGSEIWRDIDFAHEAPAFLPWHRLLRWEQEIQKLTG DENFTIPYWDWRDAEKCDICTDEYMGQHPNPNLLSPASFFSSWQIVCSRL EEYNHQSLCNGTPEGPLRRNPGNHDKSRTPLRPSSADVEFCLSLTQYESGS MDKAANFSFRNTLEGFASPLTGIADASQSSMHNALHIYMNGTMSQV |
| Research Area | Metabolism |
| Source | E.coli |
| Target Names | TYR |
| Expression Region | 19-377aa |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | N-terminal 6xHis-SUMO-tagged |
| Mol. Weight | 56.7kDa |
| Protein Length | Partial |
| Image | |



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

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at $-20^{\circ}\text{C}/-80^{\circ}\text{C}$. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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 $-20^{\circ}\text{C}/-80^{\circ}\text{C}$. The shelf life of lyophilized form is 12 months at $-20^{\circ}\text{C}/-80^{\circ}\text{C}$.