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32-13493: TYRP1 Human

Alternative Name :	Tyrosinase Related Protein 1, Tyrosinase-Related Protein 1, Melanoma Antigen Gp75, Glycoprotein 75, DHICA Oxidase, Catalase B, CAS2, TRP1, TYRP, TRP, 5,6-Dihydroxyindole-2-Carboxylic Acid Oxidase, EC 1.14.18.1, EC 1.14.18.-, EC 1.14.18, B-PROTEIN, TRP-1, TYRRP, CATB, GP75, OCA3, 5,6-dihydroxyindole-2-carboxylic acid oxidase.

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
TYRP1, also known as 5, 6-dihydroxyindole-2-carboxylic acid oxidase, is a melanosomal enzyme which is a member of the tyrosinase family and takes a significant part in the melanin biosynthetic pathway. TYRP1 is a melanocyte-specific gene which is involved in eumelanin synthesis. Furthermore, TYRP1 is implicated in the oxidation of 5,6-dihydroxyindole-2-carboxylic acid-DHICA into indole-5,6-quinone-2-carboxylic acid. TYRP1 is regulated by the microphthalmia-associated transcription factor-MITF.
TYRP1 Human Recombinant produced in Sf9 Baculovirus cells is a single, non-glycosylated polypeptide chain containing 462 amino acids (25-477a.a) and having a molecular mass of 52.5kDa. (Molecular size on SDS-PAGE will appear at approximately 50-70kDa).TYRP1 is fused to a 6 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount :	1 µg / 5 µg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	TYRP1 protein solution (0.25mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	ADLQFPRQCA TVEALRSGMC CPDLSPVSGP GTDRCGSSSG RGRCEAVTAD SRPHSPQYPH DGRDDREVWP LRFFNRTCHC NGNFSGHNCG TCRPGWRGAA CDQRVLIVRR NLLDLSKEEK NHFVRALDMA KRTTHPLFVI ATRRSEEILG PDGNTPQFEN ISIYNYFVWT HYYSVKKTFL GVGQESFGEV DFSHEGPAFL TWHRYHLLRL EKDMQEMLQE PSFSLPYWNF ATGKNVCDIC TDDLMGSRSN FDSTLISPNS VFSQWRVVCD SLEDYDTLGT LCNSTEDGPI RRNPAGNVAR PMVQRLPEPQ DVAQCLEVGL FDTPPFYSNS TNSFRNTVEG YSDPTGKYDP AVRSLHNLAH LFLNGTGGQT HLSPNDPIFV LLHTFTDAVF DEWLRRYNAD ISTFPLENAP IGHNRQYNMV PFWPPVTNTE MFVTAPDNLG YTYEIQWPSR EFSVPEHHHH HH.