

32-8107: Recombinant Human Catalase/CAT

Gene : CAT
Gene ID : 847
Uniprot ID : P04040

Description

Source: E. coli.
MW :59.7kD.

Recombinant Human Catalase is produced by our E.coli expression system and the target gene encoding Ala2-Leu527 is expressed. Catalase (CAT) is a member of the catalase family. It exists as a homotetramer that occurs in almost all aerobically respiring organisms and serves to protect cells from the toxic effects of hydrogen peroxide. Catalase is localized in the peroxisome. Catalase promotes growth of cells including T-cells, B-cells, myeloid leukemia cells, melanoma cells, mastocytoma cells, and normal and transformed fibroblast cells. Defects in CAT are the cause of acatalasemia which is characterized by absence of catalase activity in red cells and is associated with ulcerating oral lesions.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : ADSRDPASDQMQRHWKEQRAAQKADVLTTGAGNPVGDKLNIVITVGPRGPLLVQDVVFTDEMAHFDRERIPER
VVHAKGAGAFGYFEVTHDITKYSKAKVFEHIGKKTPIAVRFSTVAGESGSADTVRDPGRFAVKFYTEDGNWDLV
GNNTPIFFIRDPILPFSFIHSQKRNPQTHLKDPDMVWDFWLSLRPESLHQVSFLFSDRGIPDGHRHMNGYGSHTF
KLVNANGEAVYCKFHFKTDQGIKNSVEDAARLSQEDPDYGIRDLFNIAITGKYPSTWTFYIQVMTFNQAETFPF
NPFDLTKVWPHKDYLIPVVGKLVNLRNPVNYFAEVEQIAFDPSNMPPGIEASPDKMLQGRLFAYPDTHRHRGLP
NYLHIPVNCYPYRVRVANYQRDGPMMQDNQGGAPNYPNSFGAPEQQPSALEHSIQYSGEVRRFNTANDDNV
TQVRAFVYVNLNEEQKRKLCENIAGHLKDAQIFIQKAVKNFTEVHPDYGSHIQALLDKYNAEKPKNAIHTFVQS
GSHLAAREKANL

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.