

Recombinant Human Cytochrome b-245 heavy chain(CYBB),partial

Catalog No: #AP76514

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Package Size: #AP76514-1 20ug #AP76514-2 100ug #AP76514-3 1mg

Description

Product Name	Recombinant Human Cytochrome b-245 heavy chain(CYBB),partial
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:283-570aaSequence Info:Cytoplasmic Domain
Other Names	CGD91-phoxCytochrome b(558) subunit beta ;Cytochrome b558 subunit betaHeme-binding membrane glycoprotein gp91phoxNADPH oxidase 2Neutrophil cytochrome b 91KDA polypeptide;Superoxide-generating NADPH oxidase heavy chain subunitgp91-1gp91-phoxp22 phagocyte B-cytochrome
Accession No.	P04839
Uniprot	P04839
GeneID	1536;
Calculated MW	49.2 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	ERLVRFWRSQQKVVITKVVTHPFKTIELQMKKKGFKMEVGQYIFVKCPKVSLEWHPFTLTSAPPEEDFFSIHIRI VGDWTEGLFNACGCDKQEFQDAWKLPKIAVDGPFGTASEDVFSYEVVMLVGAGIGVTPFASILKSVWYKYCN NATNLKLLKIIFYWLCRDTHAFEWFADLLQLLESQMQRNAGFLSYNIYLTGWDESQANHFAVHHDEEKDVI TGLKQKTLYGRPNWDNEFKTIASQHPNTRIGVFLCGPEALAEATLSKQSISSNESGPRGVHFFFNKENF
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

Critical component of the mbrane-bound oxidase of phagocytes that generates superoxide. It is the terminal component of a respiratory chain that transfers single electrons from Cytoplasmic domain NADPH across the plasma mbrane to molecular oxygen on the exterior. Also functions as a voltage-gated proton channel that mediates the H⁺ currents of resting phagocytes. It participates in the regulation of cellular pH and is blocked by zinc.

References

NHLBI resequencing and genotyping service (RS&G) Complete sequencing and characterization of 21,243 full-length human cDNAs.Ota T., Suzuki Y., Nishikawa T., Otsuki T., Sugiyama T., Irie R., Wakamatsu A., Hayashi K., Sato H., Nagai K., Kimura K., Makita H., Sekine M., Obayashi M., Nishi T., Shibahara T., Tanaka T., Ishii S. , Yamamoto J., Saito K., Kawai Y., Isono Y., Nakamura Y., Nagahari K., Murakami K., Yasuda T., Iwayanagi T., Wagatsuma M., Shiratori A., Sudo H., Hosoiri T., Kaku Y., Kodaira H., Kondo H., Sugawara M., Takahashi M., Kanda K., Yokoi T., Furuya T., Kikkawa E., Omura Y., Abe K., Kamihara K., Katsuta N., Sato K., Tanikawa M., Yamazaki M., Ninomiya K., Ishibashi T., Yamashita H., Murakawa K., Fujimori K., Tanai H., Kimata M., Watanabe M., Hiraoka S., Chiba Y., Ishida S., Ono Y., Takiguchi S., Watanabe S., Yosida M., Hotuta

T., Kusano J., Kanehori K., Takahashi-Fujii A., Hara H., Tanase T.-O., Nomura Y., Togiya S., Komai F., Hara R., Takeuchi K., Arita M., Imose N., Musashino K., Yuuki H., Oshima A., Sasaki N., Aotsuka S., Yoshikawa Y., Matsunawa H., Ichihara T., Shiohata N., Sano S., Moriya S., Momiyama H., Satoh N., Takami S., Terashima Y., Suzuki O., Nakagawa S., Senoh A., Mizoguchi H., Goto Y., Shimizu F., Wakebe H., Hishigaki H., Watanabe T., Sugiyama A., Takemoto M., Kawakami B., Yamazaki M., Watanabe K., Kumagai A., Itakura S., Fukuzumi Y., Fujimori Y., Komiyama M., Tashiro H., Tanigami A., Fujiwara T., Ono T., Yamada K., Fujii Y., Ozaki K., Hirao M., Ohmori Y., Kawabata A., Hikiji T., Kobatake N., Inagaki H., Ikema Y., Okamoto S., Okitani R., Kawakami T., Noguchi S., Itoh T., Shigeta K., Senba T., Matsumura K., Nakajima Y., Mizuno T., Morinaga M., Sasaki M., Togashi T., Oyama M., Hata H., Watanabe M., Komatsu T., Mizushima-Sugano J., Satoh T., Shirai Y., Takahashi Y., Nakagawa K., Okumura K., Nagase T., Nomura N., Kikuchi H., Masuho Y., Yamashita R., Nakai K., Yada T., Nakamura Y., Ohara O., Isogai T., Sugano S. *Nat. Genet.* 36:40-45(2004) Research Topic: Cancer

Note: This product is for in vitro research use only