Recombinant Human CYBA Protein, GST-tagged

Cat. No. CYBA-2221H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CYBA full-length ORF (-, 1 a.a. - 254 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	Cytochrome b is comprised of a light chain (alpha) and a heavy chain (beta). This gene encodes the light, alpha subunit which has been proposed as a primary component of the microbicidal oxidase system of phagocytes. Mutations in this gene are associated with autosomal recessive chronic granulomatous disease (CGD), that is characterized by the failure of activated phagocytes to generate superoxide, which is important for the microbicidal activity of these cells. [provided by RefSeq, Jul 2008]
Molecular Mass	53.68 kDa
AA Sequence	MGQIEWAMWANEQALASGLSECTSGTVEAAAWRGVPRPQPGPRATYRVGKWGA RRARPGRGQARRVRGTGAGPSGRGLEGGVLRPPVIPLQTLRSAAPLPHSLLSVPRL REGGSCSAGEEAVQPRWFPGSPPRSPRVGAPAWASGEAPLPLGSQLAWRSLSLG LGWGMGSCPGAQPFSSGVCAGGGLRFHKAPKPPSDGPAQPSCTGTLLLGWDGTA PSHPPVHLLRGSGEGSGLHLEMDPLGTRARECLAQHG
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production

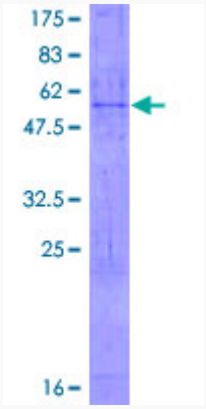
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45-1 Ramsey Road, Shirley, NY 11967, USA

	Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	CYBA cytochrome b-245, alpha polypeptide [Homo sapiens]
Official Symbol	CYBA
Synonyms	CYBA; cytochrome b-245, alpha polypeptide; cytochrome b-245 light chain; flavocytochrome b 558 alpha polypeptide; p22 PHOX; p22phox; cytochrome b light chain; p22 phagocyte B-cytochrome; cytochrome b(558) alpha chain; cytochrome b558 subunit alpha; cytochrome b(558) alpha-subunit; cytochrome b, alpha polypeptide; flavocytochrome b-558 alpha polypeptide; neutrophil cytochrome b 22 kDa polypeptide; superoxide-generating NADPH oxidase light chain subunit; p22-PHOX; FLJ43590; FLJ99071;
Gene ID	1535
mRNA Refseq	NM_000101
Protein Refseq	NP_000092
MIM	608508
UniProt ID	P13498

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Quality Control Testing:	 12.5% SDS-PAGE Stained with Coomassie Blue.

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