Active Recombinant Cynomolgus TP53 Protein, FITC conjugated

Cat. No. TP53-1162CF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	FITC conjugated recombinant Cynomolgus (Macaca fascicularis) p53 (E3U906) (Met 1-Asp 393) was expressed and purified.
Species	Monkey
Source	E.coli
ProteinLength	393
Form	Lyophilized
Bio-activity	1. Measured by its ability to bind biotinylated human S100B in a functional ELISA. 2. Measured by its ability to bind biotinylated human RRM2B in a functional ELISA.
Molecular Mass	The recombinant Cynomolgus p53 consisting of 393 amino acids and has a calculated molecular mass of 43.7 kDa. It migrates as an approximately 48 kDa band in SDS-PAGE under reducing conditions.
N-terminal Sequence Analysis	Met 1
Endotoxin	< 1.0 EU/ μg of the protein as determined by the LAL method.
Purity	> 88 % as determined by SDS-PAGE

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Characteristic	Disulfide-linked homodimer Labeled with FITC via amines Excitation source: 488 nm spectral line, argon-ion laser Excitation Wavelength: 488 nm Emission Wavelength: 535 nm
Stability	Samples are stable for up to 12 months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 to-70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Lyophilized from sterile 100 mM Tris, 3% glycerol, 4 mM DTT, pH 8.01, 5%-8% trehalose and mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 μg/μL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
Conjugation	FITC

GENE INFORMATION

Gene Name	TP53 tumor protein p53 [Macaca fascicularis]
Official Symbol	TP53
Synonyms	p53; Tumor suppressor p53
Gene ID	102135998
mRNA Refseq	NM_001287679

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Protein Refseq	NP_001274608
UniProt ID	P56423

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