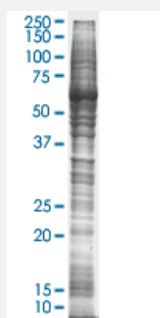


CYGB HEK293 Cell Transient Overexpression Lysate(Non-Denatured)

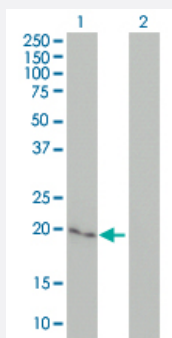
Catalog # L051T6 Size 100 ug

Applications



SDS-PAGE Gel

CYGB transfected lysate



Western Blot

Lane 1: CYGB transfected lysate (21 KDa).

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	HEK293
Plasmid	pCMV-CYGB full length
Host	Human
Theoretical MW (kDa)	21
Lysis Buffer	Modified RIPA Lysis Buffer:50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF.
Concentration	2 mg/ml

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-CYGB antibody ([H00114757-M02](#)) by Western Blots.
SDS-PAGE Gel
CYGB transfected lysate
Western Blot
Lane 1: CYGB transfected lysate (21 KDa).
Lane 2: Non-transfected lysate.

Recommend Usage

Use it directly for immuno-precipitation, or heat lysate with SDS gel loading buffer to 95°C for 5 minutes followed by rapid cooling for western blot application. If dissociating conditions are required, add reducing agent prior to heating.

Storage Buffer

In modified RIPA Lysis Buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Immunoprecipitation

[Protocol Download](#)

Gene Info — CYGB

Entrez GeneID [114757](#)

GeneBank Accession# [BC029798](#)

Protein Accession# [AAH29798](#)

Gene Name CYGB

Gene Alias HGB, STAP

Gene Description cytoglobin

Omim ID [608759](#)

Gene Ontology [Hyperlink](#)

Gene Summary

Cytoglobin is a ubiquitously expressed hexacoordinate hemoglobin that may facilitate diffusion of oxygen through tissues, scavenge nitric oxide or other reactive oxygen species, or serve a protective function during oxidative stress (Trent and Hargrove, 2002 [PubMed 11893755]).[supplied by OMIM]

Other Designationshistoglobulin|stellate cell activation-associated protein
