

FOR IN VITRO RESEARCH USE ONLY.  
NOT FOR USE IN HUMANS OR ANIMALS.

# CYP51A1 Fusion Protein

## Basic Information

**Catalog Number:**  
Ag6850

**Form:**  
Available lyophilized

**Species:**  
human

**Expression Source:**  
*e. coli*-derived, PET28a, with N-terminal 6<sup>°</sup>His.

**Biological Activity:**  
Not tested

**Endotoxin Level:**  
Please contact the lab for more information

**Validated Application:**  
Blocking peptide

**Peptide Sequence:**  
GKGVAYDVPNPVFLEQKKMLKSLNIAHFQHVSIIE  
KETKEYFESWGESGEKNVFEALSELIIILTASHCLHGKEI  
RSQLNEKVAQLYADLDGGF5HAAWLLPGWLPLPSFRR  
RDRAHREIKDIFYKAIQKRRQSQEKIDDIQLTLLDATYK  
DGRPLTDDDEVAGMLIGLLLAGQHTSSTTSAWMGFFLA  
RDKTLQKKCYLEQKTVCGENLPLTYDQLKDLNLLDRC  
IKETLRLRPPVMIMMRMARTPQTVAGYTIIPGHQVCV  
SPTVNQRLKDSWVERLDFNPDRYLQDNPASGEKFAY  
VFPGAGRHRICIGENFAYVQIKTIWSTMLRLEYFDLIDG  
YFPTVNYTTMIHTPENPVIRYKRRSK  
(146-509 aa encoded by BC032322)

## Reconstitution and Storage

**Reconstitution:**  
Reconstitute at 0.25 µg/ µl in 200 µl sterile water for short-term storage.  
After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for long-term storage (see Stability and Storage for more details).  
If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used).  
Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.

**Shipping:**  
The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature (see below).

## Stability and Storage

Store for up to 12 months at -20°C to -80°C as lyophilized powder.

## Storage of Reconstituted Protein

**Short Term Storage:**  
Store at 2-8°C for (1-2 weeks).  
**Long Term Storage:**  
Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

## Selected Validation Data

