

CYP2A6 Protein, Human, Recombinant (His & Myc)

General Information

Synonyms:	1,4-cineole 2-exo-monooxygenase; Cytochrome P450(I); CYP11A6; Cytochrome P450 2A6; Cytochrome P450 IIA3; CYP2A6; Coumarin 7-hydroxylase; CYP2A3
Protein Construction:	29-494 aa
Species:	Human
Expression Host:	E. coli
Accession:	P11509
Molecular Weight:	60.8 kDa (predicted)
AA Sequence:	SKGKLP GPPTLP PFIGNYLQLNTEQMYNSLMKISERYGPVFTIHLGPRRVVLCGHDAVREALVDQAEFSGR GEQATFDWVFKGYGVVFSNGERAKQLRRFSIATLRDFGVGKRGIEERIQQEAGFLIDALRGTGGANIDPTFFLS RTVSNVISSIVFGDRFDYKDKEFLSLLRMMLGIFQFTSTSTGQLYEMFSSVMKHLPGPQQQAFQLLQGLDFIA KKVEHNQRTLDPNSPRDFIDSFLIRMQEEKPNPTEFYLKNLVMTTNLFIGGTETVSTTLRYGFLLLMKHPEVE AKVHEEIDRVIGKNRQPKFEDRAKMPYMEAVIHEIQRFQGDVIPMSLARRVKKDTKFRDFFLPKGTEVFPMLGS VLRDPSFFSNPQDFNPQHFLNEKGQFKKSDAFVPSIGKRNCFGEGELARMELFLFTTVMQNFRLLKSSQSPK DIDVSPKHVGFATIPRNYTMSFLPR

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

A DRUG SCREENING EXPERT

Exhibits a high coumarin 7-hydroxylase activity. Can act in the hydroxylation of the anti-cancer drugs cyclophosphamide and ifosphamide. Competent in the metabolic activation of aflatoxin B1. Constitutes the major nicotine C-oxidase. Acts as a 1,4-cineole 2-exo-monooxygenase. Possesses low phenacetin O-deethylation activity.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481