

Cytochrome P450 2D6, human recombinant protein

Cytochrome P450 2D6, CYP2D6, CYP2D6, P450-DB1, Debrisoquine 4-hydroxylase, CYP2D6, CPD6, CYP2D, CYP2DL1, P4
Catalog # PBV11415r

Specification

Cytochrome P450 2D6, human recombinant protein - Product info

Primary Accession	P10635
Concentration	Lot specific
Calculated MW	55 kDa kDa

Cytochrome P450 2D6, human recombinant protein - Additional Info

Gene ID	1565
Gene Symbol	CYP2D6
Other Names	
Cytochrome P450 2D6, CYP2D6, P450-DB1, Debrisoquine 4-hydroxylase, CYP2D6, CPD6, CYP2D, CYP2DL1, P450C2D, MGC120389, MGC120390, LKM1, liver/kidney microsomal antigen 1	
Gene Source	Human
Source	Sf9 Insect cells
Assay&Purity	SDS-PAGE; Glycosylated, so purity ≥40%
Assay2&Purity2	N/A;
Recombinant	Yes
Target/Specificity	
Cytochrome P450 2D6	

Application Notes

In 50 mM Potassium phosphate buffer pH 7.5, 15% glycerol, 1 mM DTT and 1% Triton X-100

Format

Liquid

Storage

-20°C; Sterile filtered, 50 mM Potassium phosphate buffer pH 7.5, 15% glycerol, 1 mM DTT and 1% Triton X-100

Cytochrome P450 2D6, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)

- [Cell Culture](#)

Cytochrome P450 2D6, human recombinant protein - Images

Cytochrome P450 2D6, human recombinant protein - Background

Cytochrome P450 2D6 is a member of a family of microsomal enzymes (mono-oxygenases) present in the endoplasmic reticulum membrane, which detoxify xenobiotic compounds. Cytochrome P450 2D6 is the molecular target of autoantibodies against the "liver kidney microsomal antigen 1" (LKM 1) which has been classically studied by immunofluorescence microscopy. The presence of these autoantibodies is considered indicative of Autoimmune Hepatitis Type 2; LKM 1 antibodies have also been detected in patients with hepatitis C viral infection. The use of a purified recombinant Cytochrome P450 2D6 antigen allows the differentiation of autoimmune hepatitis from drug-induced hepatitis where transient autoantibodies to other P450 family members occur which cannot be differentiated by immunofluorescence techniques.

Cytochrome P450 2D6, human recombinant protein - References

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Gaedigk A.,et al.Pharmacogenomics J. 5:173-182(2005).
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