



Recombinant Human Leukotriene-B (4) omega-hydroxylase 1 (CYP4F2)

Product Code	CSB-EP006451HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P78329
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	SLSWLGLWPVAASPWLLLLLVGASWLLAHVLAWTYAFYDNCRRRLRCFPQPPR RNWFWGHQ GMVNPTEEGMRVLTQLVATYPQGFKVWMGPISPLLSLCHPDIIRSVINASAAIA PKDKFF YSFLEPWLGDGLLLSAGDKWSRHRMLTPAFHFNILKPYMKIFNESVNIMHAK WQLLASE GSACLDMFEHISLMTLDSLQKCVFSFDSHCQEKPSEYIAAILELSALVSKRHHEI LLHID FLYYLTPDGQRFRRACRLVHDFTDAVIQERRRTLPSQGVDDFLQAKAKSKTLD FIDVLLL SKDEDGKKLSDEDIRAEADTFMFEGHDTTASGLSWVLYHLAKHPEYQERCRCRQ EVQELLKD REPKEIEWDDLAHLPFLTMCMKESLRLHPPVPVISRHVTQDIVLPDGRVIPKGII CLISV FGTHHNPVWPDPPEVYDPFRFDPENIKERSPLAFIPFSAGPRNCIGQTFAMAE MKVVLAL TLLRFRVLPDHTEPRRKPELVLRAEGGLWLRVEPLS
Source	E.coli
Target Names	CYP4F2
Protein Names	Recommended name: Leukotriene-B(4) omega-hydroxylase 1 EC= 1.14.13.30 Alternative name(s): CYP1VF2 Cytochrome P450 4F2 Cytochrome P450-LTB-omega Leukotriene-B(4) 20-monooxygenase 1
Expression Region	5-520
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the endoplasmic reticulum. The enzyme starts the process of inactivating and degrading leukotriene B4, a potent mediator of inflammation. This gene is part of a cluster of cytochrome P450



genes on chromosome 19. Another member of this family, CYP4F11, is approximately 16 kb away.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.