



Recombinant Rat Epoxide hydrolase 2 (Ephx2)

Product Code	CSB-EP007735RA-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P80299
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	MALRVAAFDL DGVLAALPSIA GVLRHTEEAL ALPRDFLLGA FQMKFPEGPT EQLMKGKITF SQWVPLMDES CRKSSKACGA SLPENFSISE IFSQAMAARS INRPMLQAAA ALKKKGFTTC IVTNNWLDDS DKRDILAQMM CELSQHFDL IESCQVGMK PEPQIYKFVL DTLKAKPNEV VFLDDFGSNL KPARDMGMVT ILVRDTASAL RELEKVTGTQ FPEAPLPVPC SPNDVSHGYV TVKPGIRLHF VEMGSGPAIC LCHGFPESWF SWRYQIPALA QAGFRVLAIK MKGYGDSSSP PEIEEYAMEL LCEEMVTFLN KLGIPQAVFI GHDWAGVLVW NMALFHPERV RAVASLNTPL MPPNPEVSPM EVIRSIPVFN YQLYFQEPGV AEAELEKNMS RTFKSFFRTS DDMGLLTVNK ATEMGGILVG TPEDPKVSKI TEEEEIEYYI QQFKKSGFRG PLNWYRNTER NWKWSCKALG RKILVPALMV TAEKDIVLRP EMSKNMENWI PFLKRGHIED CGHWTQIEKP AEVNQILIKW LKTEIQNPSV TSKI
Source	E.coli
Target Names	Ephx2
Protein Names	Recommended name: Epoxide hydrolase 2 EC= 3.3.2.10 Alternative name(s): Cytosolic epoxide hydrolase Short name= CEH Epoxide hydratase Soluble epoxide hydrolase Short name= SEH
Expression Region	1-554
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 protein
Target Details	This gene encodes a member of the epoxide hydrolase family. The protein, found in both the cytosol and peroxisomes, binds to specific epoxides and converts them to the corresponding dihydrodiols. Mutations in this gene have been associated with familial hypercholesterolemia. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized.
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.