Recombinant Human Trans-1,2-dihydrobenzene-1,2-diol dehydrogenase (DHDH)

Product Code	CSB-EP890780HU-B
Abbreviation	DHDH
Storage	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.
Uniprot No.	Q9UQ10
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MALRWGIVSV GLISSDFTAV LQTLPRSEHQ VVAVAARDLS RAKEFAQKHD IPKAYGSYEE LAKDPSVEVA YIGTQHPQHK AAVMLCLAAG KAVLCEKPTG VNAAEVREMV AEARSRALFL MEAIWTRFFP ASEALRSVLA QGTLGDLRVA RAEFGKNLIH VPRAVDRAQA GGALLDIGIY CVQFTSMVFG GQKPEKISVV GRRHETGVDD TVTVLLQYPG EVHGSFTCSI TVQLSNTASV SGTKGMVQLL NPCWCPTELV VKGEHKEFPL PPVPKDCNFD NGAGMSYEAK HVWECLRKGM KESPVIPLSE SELLADILEE VRKAIGVTFP QDKR
Source	E.coli
Target Names	DHDH
Protein Names	Recommended name: Trans-1,2-dihydrobenzene-1,2-diol dehydrogenase EC= 1.3.1.20 Alternative name(s): D-xylose 1-dehydrogenase D-xylose-NADP dehydrogenase EC= 1.1.1.179 Dimeric dihydrodiol dehydrogenase Hum2DD
Expression Region	1-334
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 an enzyme that belongs to the family of dihydrodiol dehydrogenases, which exist in multiple forms in mammalian tissues and are involved in the metabolism of xenobiotics and sugars. These enzymes catalyze the NADP1-linked oxidation of transdihydrodiols of aromatic hydrocarbons to corresponding catechols. This enzyme is a dimeric dihydrodiol dehydrogenase, and it differs from monomeric dihydrodiol dehydrogenases in its high substrate specificity for trans-dihydrodiols of aromatic hydrocarbons in the oxidative direction.
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.