Recombinant Mouse Ephx2 Protein, His-tagged

Cat. No. Ephx2-105M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse recombinant N-terminal His-tagged mouse Ephx2 protein was purified from Sf21 cells.
Species	Mouse
Source	Insect Cells
Description	Bifunctional enzyme. The C-terminal domain has epoxide hydrolase activity and acts on epoxides (alkene oxides, oxiranes) and arene oxides (PubMed:7840649, PubMed:21217101). Plays a role in xenobiotic metabolism by degrading potentially toxic epoxides (By similarity). Also determines steady-state levels of physiological mediators (By similarity).
Molecular Mass	64 kDa
Purity	≥95% as determined by SDS-PAGE
Unit Definition	One unit is defined as the amount of enzyme required to produce 1 nmole of 6-methoxy-2-naphthaldehyde per minute at 37 centigrade in 25 mM bis-Tris, pH 7.0, containing 1 μM PHOME.
Stability	≥ 6 months
Storage	At -80 centigrade.

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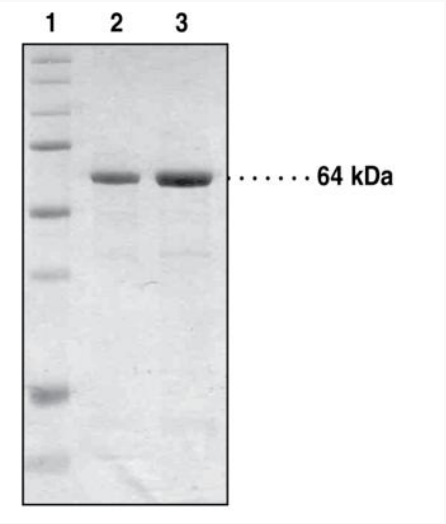
Storage Buffer	TBS buffer at pH 7.4 with 20% glycerol

GENE INFORMATION

Gene Name	Ephx2 epoxide hydrolase 2, cytoplasmic [Mus musculus (house mouse)]
Official Symbol	Ephx2
Synonyms	Ephx2; epoxide hydrolase 2, cytoplasmic; s; sE; CEH; Eph; SEH; sEP; Eph2; bifunctional epoxide hydrolase 2; cytosolic epoxide hydrolase; epoxide hydratase; epoxide hydrolase 2C; soluble epoxide hydrolase; EC 3.1.3.76; EC 3.3.2.10
Gene ID	13850
mRNA Refseq	NM_007940
Protein Refseq	NP_031966
UniProt ID	P34914

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SDS-PAGE analysis of mouse sEH



Lane 1: MW Standards

Lane 2: Mouse sEH (2 μg)

Lane 3: Mouse sEH (4 μg)

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