

Recombinant Mouse Ebp Protein, Myc/DDK-tagged

Cat. No. Ebp-2713M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length phenylalkylamine Ca ²⁺ antagonist (emopamil) binding protein (Ebp), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a transmembrane protein that localizes to the endoplasmic reticulum. This protein catalyses the conversion of delta8 to delta7 sterols, an important step in sterol biosynthesis. Mutations in this gene are responsible for the mouse tattered mutant phenotype. Tattered males are embryonic lethal, while heterozygous females have developmental defects. Deficiency of the related gene in human causes X-linked dominant chondrodysplasia punctata.
Molecular Mass	26.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Ebp phenylalkylamine Ca²⁺ antagonist (emopamil) binding protein [Mus musculus (house mouse)]

Official Symbol Ebp

Synonyms EBP; phenylalkylamine Ca²⁺ antagonist (emopamil) binding protein; 3-beta-hydroxysteroid-Delta(8),Delta(7)-isomerase; tattered; D8-D7 sterol isomerase; emopamil-binding protein; cholestenol Delta-isomerase; delta(8)-Delta(7) sterol isomerase; Td; mSI; Pabp; AI255399

Gene ID 13595

mRNA Refseq NM_007898

Protein Refseq NP_031924

UniProt ID P70245

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