

Product Information

ENPP2, GST-tagged, human recombinant, expressed in *Sf9* cells

Catalog Number **SRP5361**
Storage Temperature -70°C

Synonyms: ATX, ATX-X, AUTOTAXIN, LysoPLD, NPP2, PD-IALPHA

Product Description

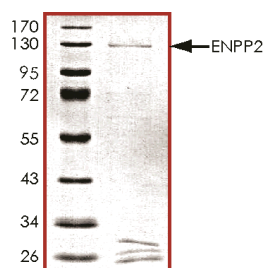
ENPP2 functions as both a phosphodiesterase, which cleaves phosphodiester bonds at the 5' end of oligonucleotides, and a phospholipase, which catalyzes production of lysophosphatidic acid (LPA) in extracellular fluids. This evokes growth factor-like responses including stimulation of cell proliferation and chemotaxis. It also may induce parturition.¹ ENPP2 stimulates the motility of tumor cells and has angiogenic properties, and its expression is upregulated in several kinds of carcinomas.²

Recombinant human ENPP2 (36-end) was expressed by baculovirus in *Sf9* insect cells using an N-terminal GST-tag. The gene accession number is BC034961. It is supplied in 50 mM Tris-HCl, pH 7.5, 50 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, and 25% glycerol.

Molecular mass: ~126 kDa

The enzymatic activity of this product has not been determined.

Figure 1.
SDS-PAGE Gel of Typical Lot:
 $\geq 70\%$ (SDS-PAGE, densitometry)



Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

The product ships on dry ice and storage at -70°C is recommended. After opening, aliquot into smaller quantities and store at -70°C . Avoid repeated handling and multiple freeze/thaw cycles.

References

1. Tokumura, A. et al., Identification of human plasma lysophospholipase D, a lysophosphatidic acid-producing enzyme, as autotaxin, a multifunctional phosphodiesterase. *J. Biol. Chem.*, **277**, 39436-39442 (2002).
2. Murata, J. et al., cDNA cloning of human tumor motility-stimulating protein, autotaxin, reveals a homology with phosphodiesterases. *J. Biol. Chem.*, **269**, 30479-30484 (1994).

RC,MAM 10/12-1