



Recombinant Nicotiana tabacum 3-phosphoshikimate 1-carboxyvinyltransferase 1, chloroplastic (EPSPS-1)

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| Product Code | CSB-BP332952NHE |
| 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. | P23981 |
| Product Type | Recombinant Protein |
| Immunogen Species | Nicotiana tabacum (Common tobacco) |
| Purity | >85% (SDS-PAGE) |
| Sequence | KPNEIV LQPIKDISGT VKLPGSKSLS NRILLLAALS KGRTVVDNLL SSDDIHYMLG ALKTLGLHVE DDNENQRAIV EGCQGQFPVG KKSEEEIQLF LGNAGTAMRP LTAAVTVAGG HSRVYLDGVP RMRERPIGDL VDGLKQLGAE VDCFLGTNCP PVRIVSKGGL PGGKVKLSGS ISSQYL TALL MAAPLALGDV EIEIIDKLIS VPHYVEMTLKL MERFGVSVEH TSSWDKFLVR GGQKYKSPGK AYVEGDASSA SYFLAGAAVT GGTVTVEGCG TSSLQGDVKF AEVLEKMGAE VTWTENSVTV KGPPRNSSGM KHLRAVDVNM NKMPDVAMTL AVVALFADGP TAIRDVASWR VKETERMIAI CTELKRLGAT VVEGSDYCII TPPEKLNVTE IDTYDDHRMA MAFSLAACAD VPVTIKDPGC TRKTFFPNYFD VLQQYSKH |
| Source | Baculovirus |
| Target Names | EPSPS-1 |
| Protein Names | Recommended name: 3-phosphoshikimate 1-carboxyvinyltransferase 1, chloroplastic EC= 2.5.1.19 Alternative name(s): 5-enolpyruvylshikimate-3-phosphate synthase 1 Short name= EPSP synthase 1 |
| Expression Region | 75-518 |
| 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 of Mature Protein |
| 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.