



# Recombinant Human Sphingomyelin phosphodiesterase 3 (SMPD3)

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| <b>Product Code</b>      | CSB-EP878920HU   |
| <b>Abbreviation</b>      | SMPD3  |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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.   |
| <b>Uniprot No.</b>       | Q9NY59   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Homo sapiens (Human)   |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | MVLYTTPFPN SCLSALHCVS WALIFPCYWL VDRLAASFIP TTYEKQRAD<br>DPCCLQLLCT ALFTPIYLAL LVASLPFAFL GFLFWSPLQS ARRPYIYSRL<br>EDKGLAGGAA LLSEWKGTGP GKSFCFATAN VCLLPDSLAR VNNLFNTQAR<br>AKEIGQRIRN GAARPQIKIY IDSPTNTSIS AASFSSLVSP QGGDGVARAV<br>PGSIKRTASV EYKGDGGRHP GDEANGPAS GDPVDSSSPE DACIVRIGGE<br>EGGRPPEADD PVPGGQARNG AGGGPRGQTP NHNQDGDGSDG<br>SLGSPSASRE SLVKGRAGPD TSASGEPGAN SKLLYKASVV KAAAARRRRH<br>PDEAFDHEVS AFFPANLDFL CLQEVFDKRA ATKLKEQLHG YFEYILYDVG<br>VYGCQGCCSF KCLNSGLLFA SRYPIIMDVAY HCYPNKCND D ALASKGALFL<br>KVQVGSTPQD QRIVGYIACT HLHAPQEDSA IRCGQLDLLQ DWLADFRKST<br>SSSSAANPEE LVAFDVCGD FNFNDCSSDD KLEQQHSLFT HYRDPCRLGP<br>GEEKPWAIGT LLDTNGLYDE DVCTPDNLQK VLESEEGRRE YLAFPTSKSS<br>GQKGRKELLK GNGRRIDYML HAEGLCPDW KAEVEEFSFI TQLSGLTDHL<br>PVAMRLMVSS GEEEA |
| <b>Source</b>            | E.coli   |
| <b>Target Names</b>      | SMPD3  |
| <b>Protein Names</b>     | Recommended name: Sphingomyelin phosphodiesterase 3 EC= 3.1.4.12<br>Alternative name(s): Neutral sphingomyelinase 2 Short name= nSMase-2 Short name= nSMase2 Neutral sphingomyelinase II   |
| <b>Expression Region</b> | 1-655  |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.  |
| <b>Protein Length</b>    | full length protein  |
| <b>Reconstitution</b>    | 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.

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