

## OriGene Technologies, Inc.

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## Product datasheet for LY402818

## AMY2B (NM\_020978) Human Over-expression Lysate

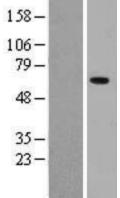
## **Product data:**

| Description:Transient overexpression lysate of amylase, alpha 2B (pancreatic) (AMY2B)Species:HumanExpression Host:HEK293TExpression cDNA Cloop<br>or AA Sequence:TrueORF Clone RC203812Tag:C-My/DDKDetection Antibodies:Cone OTI4C5, Anti-DDK (FLAG) monoclonal antibody (TA50011-100)ACCN:MN 020978, NP 066188Synonyms:AMY2; AMY3; HXAPredicted MW:5.7 kDaComponents:Vial of 100 µg gene specific transient over-expression cell lysate in RIPA buffer<br>1 vial of 100 µg whole HEK293T cell lysate in RIPA buffer<br>1 vial of 100 µg whole HEK293T cell syste in RIPA buffer<br>1 vial of 100 µg whole HEK293T cell syste in RIPA buffer<br>1 vial of 100 µg whole HEK293T cell syste in RIPA buffer<br>1 vial of 100 µg whole HEK293T cell syste in RIPA buffer<br>1 vial of 250ul 2xSDS Sample Buffer (4% SDS, 125mM Tris-HCl pH6.8, 10% Glycerol, 0.002%<br>Bromophenol blue, 100mM DTT)Storage:The lysate is shipped with dry lce. Upon receiving, store the sample at-80°C. Also after<br>giver orapeated freeze-thaw cycles. Lysate samples can be diluted with 2xSDS Sample Buffer<br>void repeated freeze-thaw cycles. Lysate samples can be diluted with 2xSDS Sample Buffer<br>sovc.Preparation:Respect reclis in 10-cm dishes were transiently transfected cells were cultured for<br>48hrs before collection. The cells were lysed in modified RIPA buffer (25mM Tris-HCl pH7.<br>Si5mM NaCl, 1% NP-40, 1mM EDTA, 1xProteinase inhibitor cocktail mix (Sigma), 1mM PMSF<br>Si5mM NaCl, 1% NP-40, 1mM EDTA, 1xProteinase inhibitor cocktail mix (Sigma), 1mM PMSF<br>Si5mM NaCl, 1% NP-40, 1mM EDTA, 1xProteinase inhibitor cocktail mix (Sigma), 1mM PMSF<br>Si5mM NaCl, 1% NP-40, 1mM EDTA, 1xProteinase inhibitor cocktail mix (Sigma), 1mM PMSF<br>Si5mM | Product Type:                | Over-expression Lysates  |
|---|------------------------------|--|
| Expression Host:HEK293TExpression CDNA CloneTrueORF Clone RC203812or AA Sequence:ChuyCDDKTag:C-MyC/DDKDetection Antibodies:Clone OT14C5, Anti-DDK (FLAG) monoclonal antibody (TA50011-100)ACCN:NM 020978, NP 066188Synonyms:AMY2; AMY3; HXAPredicted MW:57.7 kDaComponents:1 vial of 100 µg gene specific transient over-expression cell lysate in RIPA buffer<br>1 vial of 100 µg whole HEK293T cell lysate in RIPA buffer<br>1 vial of 100 µg whole HEK293T cell lysate in RIPA buffer<br>1 vial of 100 µg whole HEK293T cell spiste in RIPA buffer<br>2 formophenol blue, 100mM DTT)Storage:The lysate is shipped with dry ice. Upon receiving, store the sample at -80°C, Also after<br>dilution, the protein sample should be aliquoted and stored at -80°C for long term storage.<br>Avoid repeated freeze-thaw cycles. Lysate samples can be diluted with 2xSDS Sample Buffer<br>provide. Lysate samples are stable for 12 months from the date of receipt when stored at<br>80°C.Preparation:HEK293T cells in 10-cm dishes were transiently transfected withMegaTran Transfection<br>Reagent (TT200002) and Sug TrueORE cDNA plasmid. Transfected cells were cultured for<br>48hrs before collection. The cells were lysed in molified RIPA buffer (25mM Tris-HCI pH7.6,<br>SomM NaCl, 1% NP-40, 1mM EDTA, 1xProteinase inhibitor cocktail mix (Sigma), 1mM PMSPA<br>and 1mM Na3VO4), and then centrifityged to clarify the lysate. Protein concentration was<br>measured by BCA kit (Thermo Scientific Inc.). Cell lysates were aliquoted and stored at -20°C<br>before shipping.RefSeq:NP 066188  | Description:                 | Transient overexpression lysate of amylase, alpha 2B (pancreatic) (AMY2B)  |
| Expression cDNA CloneTrueORF Clone RC203812Tag:C-Myc/DDKTag:Cone OTI4C5, Anti-DDK (FLAG) monoclonal antibody (TA50011-100)Acton:NM 020978, NP 066188Synonyms:AMY2; AMY3; HXAPredicted MW:57. KDaComponents:1 vial of 100 µg gene specific transient over-expression cell lysate in RIPA buffer<br>1 vial of 100 µg whole HEK293T cell lysate in RIPA buffer<br>1 vial of 1250ul 2xSDS Sample Buffer (4% SDS, 125mM Tris-HCl pH6.8, 10% Glycerol, 0.002%<br>Bromophenol blue, 100mM DTT)Storage:The lysate is shipped with dry ice. Upon receiving, store the sample at -80°C. Also after<br>dilution, the protein sample should be aliquoted and stored at -80°C for long term storage.<br>Avoid repeated freeze-thaw cycles. Lysate samples can be diluted with 2xSDS Sample Buffer<br>avoid repeated freeze-thaw cycles. Lysate samples can be diluted with 2xSDS Sample Buffer<br>sonce.Preparation:HEK293T cells in 10-cm dishes were transiently transfected cells were cultured for<br>Afwrs before collection. The cells were lysed in modified RIPA buffer (25mM Tris-HCl pH7.6,<br>150mM NaCl, 1% NP-40, 1mM EDTA, 1xProteinase inhibitor cocktail mix (sigma), 1mM PMSF<br>and 1mM Na3VO4), and then centrifuged to clarify the lysate. Protein concentration was<br>measured by BCA kit (Thermo Scientific Inc.). Cell lysates were aliquoted and stored at -20°C<br>before shipping.RefSeq:NP 066188  | Species:                     | Human  |
| or AA Sequence:Tag:C-Myc/DDKDetection Antibodies:Cone OTI4C5, Anti-DDK (FLAG) monoclonal antibody (TA50011-100)ACCN:NM 020978, NP 066188Synonyms:AMY2; AMY3; HXAPredicted MW:57.7 kDaComponents:1 vial of 100 µg gene specific transient over-expression cell lysate in RIPA buffer<br>1 vial of 100 µg whole HEK293T cell lysate in RIPA buffer<br>1 vial of 250ul 2xSDS Sample Buffer (4% SDS, 125mM Tris-HCI pH6.8, 10% Glycerol, 0.002%<br>Bromophenol blue, 100mM DTT)Storage:The lysate is shipped with dry ice. Upon receiving, store the sample at -80°C Also after<br>dilution, the protein sample should be aliquoted and stored at -80°C for long terms storage.<br>Avoid repeated freeze-thaw cycles. Lysate samples can be diluted with 2xSDS Sample Buffer<br>shore.Preparation:HEK293T cells in 10-cm dishes were transiently transfected withMegaTran Transfection<br>Reagent (T1200002) and Sug TrueORF cDNA plasmid. Transfected cells were cultured for<br>48brs before collection. The cells were lysed in modified RIPA buffer (25mM Tris-HCI pH7.6,<br>150mM NAC1, 1% NP-40, 1mM EDTA, 1xProteinase inhibitor cocktail mix (Sigma), 1mM PASDQ4, and then centrifuged to clarify the lysate.<br>Protein soncentration was<br>measured by BCA kit (Thermo Scientific Inc.). Cell lysates were aliquoted and stored at -20°C<br>before shipping.RefSeq:NP 666188   | Expression Host:             | HEK293T  |
| Detection Antibodies:Clone OTI4C5, Anti-DDK (FLAG) monoclonal antibody (TA50011-100)ACCN:NM 020978, NP 066188Synonyms:AMY2; AMY3; HXAPredicted MW:57.7 kDaComponents:1 vial of 100 µg gene specific transient over-expression cell lysate in RIPA buffer<br>1 vial of 100 µg gene specific transient over-expression cell lysate in RIPA buffer<br>1 vial of 250ul 2xSDS Sample Buffer (4% SDS, 125mM Tris-HCl pH6.8, 10% Glycerol, 0.002%<br>Bromophenol blue, 100mM DTT)Storage:The lysate is shipped with dry ice. Upon receiving, store the sample at -80°C. Also after<br>dilution, the protein sample should be aliquoted and stored at -80°C for long term storage.<br>Avoid repeated freeze-thaw cycles. Lysate samples can be diluted with 2xSDS Sample Buffer<br>provided. Lysate samples are stable for 12 months from the date of receipt when stored at<br>80°C.Preparation:HEK293T cells in 10-cm dishes were transiently transfected withMegaTran Transfection<br>Reagent (TT200002) and Sug TrueORF cDNA plasmid. Transfected cells were cultured for<br>48hrs before collection. The cells were lysed in modified RIPA buffer (25mM Tris-HCl pH7.6,<br>fSomM NaCl, 1% NP-40, 1mM EDTA, 1xProteinase inhibitor cocktail mix (Sigma), 1mM PMSF<br>and 1mM Na3VO4), and then centrifuged to clarify the lysate. Protein concentration was<br>measured by BCA kit (Thermo Scientific Inc.). Cell lysates were aliquoted and stored at -20°C<br>before shipping.RefSeq:NP 066188  | •                            | TrueORF Clone RC203812   |
| ACCN:NM 020978, NP 066188Synonyms:AMY2; AMY3; HXAPredicted MW:57.7 kDaComponents:1 vial of 100 µg gene specific transient over-expression cell lysate in RIPA buffer<br>1 vial of 100 µg whole HEK293T cell lysate in RIPA buffer<br>1 vial of 250ul 2xSDS Sample Buffer (4% SDS, 125mM Tris-HCI pH6.8, 10% Glycerol, 0.002%<br>Bromophenol blue, 100mM DTT)Storage:The lysate is shipped with dry ice. Upon receiving, store the sample at -80°C. Also after<br>dilution, the protein sample should be aliquoted and stored at -80°C for long term storage.<br>Avoid repeated freeze-thaw cycles. Lysate samples can be diluted with 2xSDS Sample Buffer<br>provided. Lysate samples are stable for 12 months from the date of receipt when stored at -<br>80°C.Preparation:HEK293T cells in 10-cm dishes were transiently transfected withMegaTran Transfection<br>Reagent (TT200002) and 5ug TrueORF cDNA plasmid. Transfected cells were cultured for<br>48hrs before collection. The cells were lysed in modified RIPA buffer (25mM Tris-HCl pH7.6,<br>150mM NaCl, 1% NP-40, 1mM EDTA, 1xProteinase inhibitor cocktail mix (Sigma), 1mM PMSF<br>and 1mM Na3VO4), and then centrifuged to clarify the lysate. Protein concentration was<br>measured by BCA kit (Thermo Scientific Inc.). Cell lysates were aliquoted and stored at -20°C<br>before shipping.RefSeq:NP 066188  | Tag:                         | C-Myc/DDK  |
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| Predicted MW:57.7 kDaComponents:1 vial of 100 µg gene specific transient over-expression cell lysate in RIPA buffer<br>1 vial of 100 µg whole HEK293T cell lysate in RIPA buffer<br>1 vial of 250ul 2xSDS Sample Buffer (4% SDS, 125mM Tris-HCl pH6.8, 10% Glycerol, 0.002%<br>Bromophenol blue, 100mM DTT)Storage:The lysate is shipped with dry ice. Upon receiving, store the sample at -80°C. Also after<br>dilution, the protein sample should be aliquoted and stored at -80°C for long term storage.<br>Avoid repeated freeze-thaw cycles. Lysate samples can be diluted with 2xSDS Sample Buffer<br>provided. Lysate samples are stable for 12 months from the date of receipt when stored at -<br>80°C.Preparation:HEK293T cells in 10-cm dishes were transiently transfected withMegaTran Transfection<br>Reagent (TT200002) and 5ug TrueORF cDNA plasmid. Transfected cells were cultured for<br>48hrs before collection. The cells were lysed in modified RIPA buffer (25mM Tris-HCl pH7.6,<br>150mM NaCl, 1% NP-40, 1mM EDTA, 1xProteinase inhibitor cocktail mix (Sigma), 1mM PMSF<br>and 1mM Na3VO4), and then centrifuged to clarify the lysate. Protein concentration was<br>measured by BCA kit (Thermo Scientific Inc.). Cell lysates were aliquoted and stored at -20°C<br>before shipping.RefSeq:NP 066188   | ACCN:                        | <u>NM 020978</u> , <u>NP 066188</u>  |
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|   | Preparation:                 | Reagent (TT200002) and 5ug <u>TrueORF</u> cDNA plasmid. Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer (25mM Tris-HCl pH7.6, 150mM NaCl, 1% NP-40, 1mM EDTA, 1xProteinase inhibitor cocktail mix (Sigma), 1mM PMSF and 1mM Na3VO4), and then centrifuged to clarify the lysate. Protein concentration was measured by BCA kit (Thermo Scientific Inc.). Cell lysates were aliquoted and stored at -20°C |
| Locus ID: 280   | RefSeq:                      | <u>NP 066188</u>   |
|   | Locus ID:                    | 280  |



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|                   | AMY2B (NM_020978) Human Over-expression Lysate – LY402818 |
|-------------------|---|
| Cytogenetics:     | 1p21.1  |
| Protein Families: | Secreted Protein  |
| Protein Pathways  | : Metabolic pathways, Starch and sucrose metabolism       |
| Product imag      | es:   |
|                   |   |



Western blot validation of overexpression lysate (Cat# LY402818) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC203812] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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