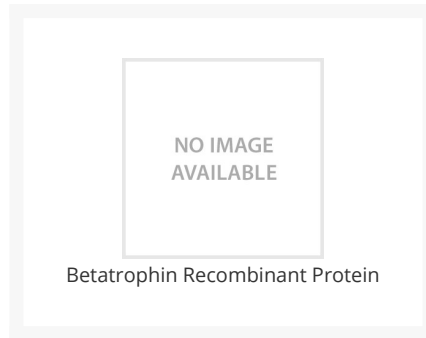




Betatrophin Recombinant Protein

Cat. No.: 90-324



Ψ Specifications

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|-----------------------------|---|
| SPECIES: | Mouse |
| SOURCE SPECIES: | CHO cells |
| SEQUENCE: | Mouse betatrophin (16-198) is fused at the N-terminus to a DDDDK-tag. |
| FUSION TAG: | DDDDK Tag |
| TESTED APPLICATIONS: | |
| APPLICATIONS: | This recombinant proteins is for research use only. |

Ψ Properties

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|----------------------------|--|
| PURITY: | >95% (SDS-PAGE). Endotoxin level is less than 0.1EU/ µg purified protein (LAL test; Lonza). |
| PHYSICAL STATE: | Lyophilized |
| BUFFER: | Contains PBS + 0.02% CHAPS. Reconstitute with 100 µl sterile water. |
| CONCENTRATION: | 0.1mg/ml after reconstitution. |
| STORAGE CONDITIONS: | Stable for at least 6 months after receipt when stored at -20 °C. |

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| OFFICIAL SYMBOL: | Angptl8 |
| ALTERNATE NAMES: | Angiopoietin-like Protein 8, ANGPTL8, Lipasin, Refeeding-induced Fat and Liver Protein, RIFL |
| ACCESSION NO.: | Q8R1L8 |
| PROTEIN GI NO.: | 172045807 |
| GENE ID: | 624219 |

Background and References

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|--------------------|---|
| BACKGROUND: | <p>Betatrophin (RIFL; Lipasin; Angiopoietin-like protein 8 (ANGPTL8)) is a newly discovered secreted protein of 198 aa that was proposed to promote beta cell proliferation and improve glucose tolerance in mice. Betatrophin may also function in inhibition of lipase activity and on serum triglyceride regulation. Betatrophin is expressed in the liver and in white and brown adipose tissue of mice. In humans, betatrophin is found to be predominantly expressed in the liver. Betatrophin levels are reduced by fasting and are elevated upon insulin resistance and during pregnancy. Betatrophin, according to preliminary data could bind to the macrophage receptor Marco and also to RTN4R, a neuronal receptor. Recently, a study using ANGPTL8 KO mice showed that ANGPTL8/Betatrophin does not play a role in beta cell proliferation nor in glycemic control as previously thought, but regulates plasma triglyceride levels.</p> |
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