

Product datasheet

Recombinant Human Tryptophanyl tRNA synthetase protein ab116687

製品の概要

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| 製品名 | Recombinant Human Tryptophanyl tRNA synthetase protein |
| タンパク質長 | Full length protein |

製品の詳細

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| 由来 | Recombinant |
| 由来 | Escherichia coli |

アミノ酸配列

アクセッション番号 [P23381](#)

生物種 Human

配列
 MGSSHHHHHSSGLVPRGSHMPNSEPASLLELFNSIATQGELVRSCLKAGN
 ASKDEIDS AVKMLVSLKMSYKAAAGEDYKADCPPGNPAPTSNHGPDTEA
 EEDFVDPWTVQTSSAKGIDYDKLIVRFGSSKIDKELINRIERATGQRPHH
 FLRRGIFFSHRDMNQVLDAYENKKPFYLYTGRGPSSEAMHVGHLIPFIPT
 KWLQDVFVNPLVIQMTDDEKYLWKDLTLQAYS YAVENAKDIIACGFDIN
 KTFIFSDLDYMGSSGFYKNVVKIQKHVTFNQVKGIFGFTDSDCIGKISF
 PAIQAAPSFNSFPQIFRDRTDIQCLIPCAIDQDPYFRMTRDVAPRIGYP
 KPALLHSTFFPALQGAQTKMSASDPNSSIFLTD TAKQIKTKVNKHAFSGG
 RDTIEEHRQFGGNCDVDVSFMYLTFFLEDDDKLEQIRKDYTS GAMLGEL
 KKALIEVLQPLIAEHQARRKEVTDEIVKEFMTPRKLSDFDQ

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|-----|-----------------------|
| 分子量 | 55 kDa including tags |
| 領域 | 1 to 471 |
| タグ | His tag N-Terminus |

特性

Our [Abpromise guarantee](#) covers the use of **ab116687** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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| アプリケーション | SDS-PAGE |
| 精製度 | > 90 % SDS-PAGE. ab116687 is purified by proprietary chromatographic techniques. |

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| 製品の状態 | Liquid |
| 備考 | Although stable at 4°C for 1 week, ab116687 should be stored desiccated below -18°C. Please prevent freeze thaw cycles. |

前処理および保存

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|-------------------|---|
| 保存方法および安定性 | Shipped at 4°C. Please see notes section. pH: 8.00 Constituents: 0.32% Tris HCl, 0.02% DTT, 0.58% Sodium chloride, 10% Glycerol |
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関連情報

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| 機能 | Isoform 1, isoform 2 and T1-TrpRS have aminoacylation activity while T2-TrpRS lacks it. Isoform 2, T1-TrpRS and T2-TrpRS possess angiostatic activity whereas isoform 1 lacks it. T2-TrpRS inhibits fluid shear stress-activated responses of endothelial cells. Regulates ERK, Akt, and eNOS activation pathways that are associated with angiogenesis, cytoskeletal reorganization and shear stress-responsive gene expression. |
| 配列類似性 | Belongs to the class-I aminoacyl-tRNA synthetase family. Contains 1 WHEP-TRS domain. |
| 翻訳後修飾 | Proteolytic cleavage generates 2 forms; T1-TrpRS and T2-TrpRS. |
| 細胞内局在 | Cytoplasm. |

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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