

## Product datasheet

# Recombinant Human Tryptophanyl tRNA synthetase protein ab116687

### 製品の概要

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

### 製品の詳細

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  
 ASKDEIDSAVKMLVSLKMSYKAAAGEDYKADCPPGNPAPTSNHGPDTEA  
 EEDFVDPWTVQTSSAKGIDYDKLIVRFGSSKIDKELINRIERATGQRPHH  
 FLRRGIFFSHRDMNQVLDAYENKKPFYLYTGRGPSSEAMHVGHLIPFIPT  
 KWLQDVFVNPLVIQMTDDEKYLWKDLTLDQAYSAYAVENAKDIIACGFDIN  
 KTFIFSDLDYMGSSGFYKNVVKIQKHVTFNQVKGIFGFTDSDCIGKISF  
 PAIQAAPSFNSFPQIFRDRTDIQCLIPCAIDQDPYFRMTRDVAPRIGYP  
 KPALLHSTFFPALQGAQTKMSASDPNSSIFLTDQAKQIKTKVNHAFSGG  
 RDTIEEHRQFGGNCDVDVSFMYLTFFLEDDDKLEQIRKDYTSGAMLTGEL  
 KKALIEVLQPLIAEHQARRKEVTDEIVKEFMTPRKLSDFDQ

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.

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

<b>製品の状態</b>	Liquid
<b>備考</b>	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

<b>保存方法および安定性</b>	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

<b>機能</b>	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.
<b>配列類似性</b>	Belongs to the class-I aminoacyl-tRNA synthetase family. Contains 1 WHEP-TRS domain.
<b>翻訳後修飾</b>	Proteolytic cleavage generates 2 forms; T1-TrpRS and T2-TrpRS.
<b>細胞内局在</b>	Cytoplasm.

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

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