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Datasheet for ABIN1643936

OAT Protein (AA 1-454) (His tag)

Overview

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|-------------------------------|--|
| Quantity: | 1 mg |
| Target: | OAT |
| Protein Characteristics: | AA 1-454 |
| Origin: | Emericella nidulans |
| Source: | Yeast |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This OAT protein is labelled with His tag. |
| Application: | ELISA |

Product Details

| | |
|------------------|---|
| Sequence: | <p>MTSNGTNGSA TAYHASSTQE AIQAENDFAA HNYHPLPVVF ARAQGTSVWD PEGRHYLDFL</p> <p>SAYSAVNQGH CHPKLVAALV DQASRLTLSS RAFYNDVFPK FAEMVTKYFG FDMVLPMNTG</p> <p>AEAVETGIKI ARKWGYKVKG IPENEAILLS AENNFGHRTM AAISLSSDPE SRENYGPYVP</p> <p>NIGCTIPGTE KPITYNDKAA LREAFKAGS NLAAFLVEPI QGEAGIIVPD DDYLQLARSL</p> <p>CDQHNVLIC DEIQTGIART GKLLCHEWSG IKPDMVLLGK AISGGMYPVS CVLGRKDVML</p> <p>TVEPGTHGST YGGNPLACAV AIRALEVVQE ENMVERAEKL GQAFRSGLEA IQNPPIQTVR</p> <p>GKGLLNAIVI DESKTNNGHTA WDLCLMLKEK GLLAKPTHQN IIRLAPPLVI TEEIIAKALE</p> <p>IKAAVAELP NLKGAAEDKV VPPPEKKVKI TLEN</p> |
| Specificity: | <p>Emericella nidulans (strain FGSC A4 / ATCC 38163 / CBS 112.46 / NRRL 194 / M139)</p> <p>(Aspergillus nidulans)</p> |
| Characteristics: | <p>Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.</p> |

Product Details

Purity: > 90 %

Target Details

Target: OAT

Alternative Name: Ornithine aminotransferase (otaA) ([OAT Products](#))

Background: Recommended name: Ornithine aminotransferase.
EC= 2.6.1.13.
Alternative name(s): Ornithine--oxo-acid aminotransferase

UniProt: [Q92413](#)

Application Details

Comment: The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modified such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Concentration: 0.2-2 mg/mL

Buffer: Tris-based buffer, 50 % glycerol

Handling Advice: Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

Storage: -20 °C

Storage Comment: Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.