

## Recombinant Human DTD2, His-tagged

**Cat. No.** DTD2-5011H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human DTD2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                      |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                     |
| <b>Description</b>      | DTD2 belongs to the DTD family. This protein hydrolyzes D-tyrosyl-tRNA(Tyr) into D-tyrosine and free tRNA(Tyr). It could be a defense mechanism against a harmful effect of D-tyrosine (Potential).                        |
| <b>Form</b>             | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT                                                                                                                                      |
| <b>Molecular Mass</b>   | 21.0kDa (191aa), confirmed by MALDI-TOF                                                                                                                                                                                    |
| <b>AA Sequence</b>      | MGSSHHHHHH SSGLVPRGSH MGSMAGSRI PQARALLQQC LHARLQIRPA<br>DGDVAAQWVE VQRGLVIYVC FFKGADKELL PKMVNTLLNV KLSETENGKH<br>VSILDLPNGI LIIPQATLGG RLKGRNMQYH SNSGKEEGFE LYSQFVTLCE<br>KEVAANSKCA EARVVVEHGT YGNRQVLKLD TNGPFTHLIE F |
| <b>Purity</b>           | >90% by SDS - PAGE                                                                                                                                                                                                         |
| <b>Applications</b>     | SDS-PAGE                                                                                                                                                                                                                   |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                |                                                                                                                                                                               |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b> | Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20centigrade or -70centigrade. Avoid repeated freezing and thawing cycles. |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                      |                                          |
|----------------------|------------------------------------------|
| <b>Concentration</b> | 1.0 mg/ml (determined by Bradford assay) |
|----------------------|------------------------------------------|

## GENE INFORMATION

|                  |                                                                     |
|------------------|---------------------------------------------------------------------|
| <b>Gene Name</b> | DTD2 D-tyrosyl-tRNA deacylase 2 (putative) [ Homo sapiens (human) ] |
|------------------|---------------------------------------------------------------------|

|                        |      |
|------------------------|------|
| <b>Official Symbol</b> | DTD2 |
|------------------------|------|

|                 |                                                         |
|-----------------|---------------------------------------------------------|
| <b>Synonyms</b> | DTD2;C14orf126;probable D-tyrosyl-tRNA(Tyr) deacylase 2 |
|-----------------|---------------------------------------------------------|

|                |        |
|----------------|--------|
| <b>Gene ID</b> | 112487 |
|----------------|--------|

|                    |             |
|--------------------|-------------|
| <b>mRNA Refseq</b> | NM_080664.2 |
|--------------------|-------------|

|                       |             |
|-----------------------|-------------|
| <b>Protein Refseq</b> | NP_542395.1 |
|-----------------------|-------------|

|                   |        |
|-------------------|--------|
| <b>UniProt ID</b> | Q96FN9 |
|-------------------|--------|

|                            |       |
|----------------------------|-------|
| <b>Chromosome Location</b> | 14q12 |
|----------------------------|-------|

|                 |                                                              |
|-----------------|--------------------------------------------------------------|
| <b>Function</b> | hydrolase activity, acting on ester bonds;molecular_function |
|-----------------|--------------------------------------------------------------|

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA