

# BioVendor new products

December 2, 2014

Dear customer, we would like to introduce our new products and hope you will find them interesting. Below is a list of events, in which we plan to participate in 2015:

**11<sup>th</sup> Spring School** (08 \ 03 \ 2015 - 13 \ 03 \ 2015 - Ettal)

**WCN** (13 \ 03 \ 2015 - 17 \ 03 \ 2015 - Cape Town)

**DGE 2015** (18 \ 03 \ 2015 - 21 \ 03 \ 2015 - Lübeck)

**AACC** (26 \ 07 \ 2015 - 30 \ 07 \ 2015 - Atlanta)

**MEDICA 2015** (16 \ 11 \ 2013 - 19 \ 11 \ 2015 - Düsseldorf)

## HALOALKANE DEHALOGENASES

### » DEHALOGENASES ENZYMES

Haloalkane dehalogenases, enzymes that catalyse the hydrolytic conversion of chlorinated, brominated and iodinated aliphatic compounds to the corresponding alcohol and hydrogen halide, manufactured by Enantis, s.r.o. The set of substrates converted by haloalkane dehalogenases consists of haloalkanes, haloalkenes, cyclohaloalkanes, haloalcohols, halohydrins, haloethers, haloesters, haloamides and haloacetonitriles containing a monohalogenated sp<sup>3</sup> hybridized carbon atom.

### » FEATURES:

- Purified enzymes (purity > 95%) or cell free extracts (purity >30%)
- Broad temperature (25–55°C) and pH range (7.5–9.5)
- Can be immobilized and engineered for high thermal stability and resistance to organic solvents
- Highly enantioselective enzymes
- Great potential for biocatalytic preparation of chiral pharmaceutical building blocks
- Applicable for biosensing and bioremediation of toxic environmental pollutants
- Bulk quantities available upon request

### The haloalkane dehalogenase product family consists of ten members:

- DhIA from *Xanthobacter autotrophicus* GJ10
- DhaA from *Rhodococcus rhodochrous* NCIMB 13064
- DbjA from *Bradyrhizobium japonicum* USDA110
- DmmA from Marine microbial consortium
- DmxA from *Marinobacter* sp. ELB17
- LinB from *Sphingobium japonicum* UT26
- DbeA from *Bradyrhizobium elkani* USDA94
- DadB from *Alcanivorax dieselolei* B-5
- DpcA from *Psychrobacter cryohalolentis* K5
- Haloalkane dehalogenase screening kit



## HALOALKANE DEHALOGENASES

These products can be found on our [website](#) or in [catalog](#):

<a href="#">RDADB75100</a>	DadB from <i>Alcanivorax dieselolei</i> B-5, rec. from <i>E. coli</i>
<a href="#">RBEA75100</a>	DbeA from <i>Bradyrhizobium elkani</i> USDA94, rec. from <i>E. coli</i>
<a href="#">RDBJA75100</a>	DbjA from <i>Bradyrhizobium japonicum</i> USDA110, rec. from <i>E. coli</i>
<a href="#">RDHAA75100</a>	DhaA from <i>Rhodococcus rhodochrous</i> NCIMB 13064, rec. from <i>E. coli</i>
<a href="#">RDHLA75100</a>	DhIA from <i>Xanthobacter autotrophicus</i> GJ10, rec. from <i>E. coli</i>
<a href="#">RDMMA75100</a>	DmmA from Marine microbial consortium, rec. from <i>E. coli</i>
<a href="#">RDMXA75100</a>	DmxA from <i>Marinobacter</i> sp. ELB17, rec. from <i>E. coli</i>
<a href="#">RPCA75100</a>	DpcA from <i>Psychrobacter cryohalolentis</i> K5, rec. from <i>E. coli</i>
<a href="#">RHDSK30050</a>	Haloalkane dehalogenase screening kit
<a href="#">RLINB75100</a>	LinB from <i>Sphingobium japonicum</i> UT26, rec. from <i>E. coli</i>

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