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- Expressversand

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## Data Sheet

### PADI2

Human, recombinant, C-terminal FLAG-tag

**Catalog #:** 50152

**Lot#:** 111018

**Conc.:** 0.06 mg/ml

**Formulated in:** 40 mM Tris-HCl, pH 8.0,  
 110 mM NaCl, 2.2 mM KCl, 80 ng/ul Flag  
 peptide, 3mM DTT, and 20% Glycerol.

**Stability:** >6 months at -80°C

**References:**

1. Dong S, et al. (2005.) *J. Invest. Dermatol.* 124(5):1026-33.
2. Wantanabe Y, et al. (2009). *J Hum Genet.* 54 (7): 430-2.

**Description:**

Human PADI2, also known as Peptidyl arginine deiminase, type II, (GenBank Accession No. NM\_007365), 1-665(end), with C-terminal FLAG-tag, MW= 77 kDa, expressed in a Baculovirus infected Sf9 cell expression system.

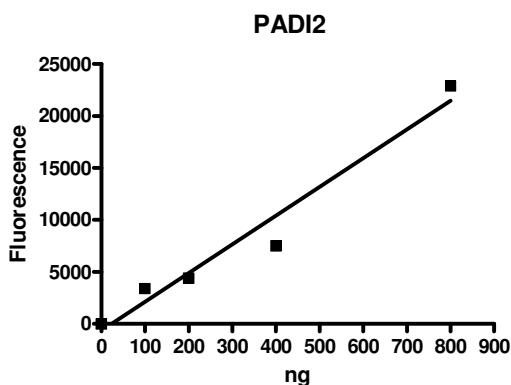
**Specific Activity:** 19 pmole/min/μg.

Assay Conditions: Enzyme reaction took place in a buffer (50 mM Tris, pH 7.4, 50 mM NaCl, 10 mM CaCl<sub>2</sub>, and 2 mM DTT) containing PADI and 10 mM BAEE as a substrate for 30 min at 37°C.

**Application:**

Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

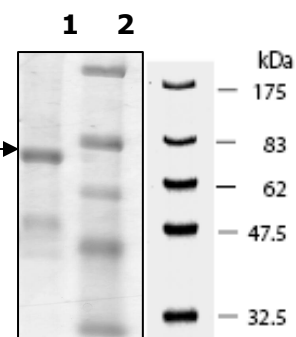
### Quality Assurance



**10% SDS-PAGE  
 Coomassie staining**

**Lane 1:**  
 2.6 μg PADI2  
**Lane 2:**  
 Protein Marker  
 BioLabs (#P7708L)

**MW:** 77 kDa  
**Purity:** ≥61%



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