ADAM8 SPECIFIC SUBSTRATE

Fluorescent Substrate: Dabcyl-HGDQMAQSKSK(5FAM)-NH$_2$

Catalog Number: PEPDAB013

Use: This fluorescent peptide substrate is used primarily to assess activity of ADAM8, though it is also processed to a small extent by MMP2, ADAM10, and ADAM12. It provides good selectivity since it is not processed at all by the seven other MMPs and ADAMs tested. Its specificity constant, $k_{cat}/K_m$ (M$^{-1}$s$^{-1}$), is $5.3 \times 10^4$ against ADAM8, and $2.4 \times 10^3$, $2.7 \times 10^4$, and $4.0 \times 10^4$ against MMP2, ADAM10, and ADAM12 respectively (see Table 1 below, column highlighted in blue).

Reference: