

Recombinant Ten-Eleven Translocase

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Recombinant Ten-Eleven Translocase is a recombinantly expressed dioxygenase that depends on Fe(II) and α -ketoglutarate. It catalyzes the conversion of 5-methylcytosine (5mC) into 5-hydroxymethylcytosine (5hmC), followed by further oxidation to 5-formylcytosine (5fC) and 5-carboxylcytosine (5caC). Subsequently, 5caC is converted into uracil (U) through chemical or enzymatic processes, and during PCR, uracil (U) is transformed into thymine (T), allowing for single-base resolution and highly accurate identification of DNA methylation sites.
Targets(IC50)	DNA Methyltransferase

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