COMPOSITIONS AND METHODS FOR REDUCING NUCLEASE EXPRESSION AND OFF-TARGET ACTIVITY USING A PROMOTER WITH LOW TRANSCRIPTIONAL ACTIVITY

ABSTRACT

A gene editing nuclease expression cassette is provided which comprises a nucleic acid sequence comprising a nuclease coding sequence which is operably linked to regulatory sequences which direct expression of the nuclease following delivery to a host cell, wherein the regulatory sequences comprise a weak promoter. A vector is provided comprising the gene editing nuclease expression cassette. Also provided are compositions containing same and methods of use.

FIG. 1