Recombinant MAGD2 protein (His tag)

Catalog Number	543887
Synonyms	11B6; Breast cancer-associated gene 1 protein; BCG-1; Hepatocellular carcinoma-associated protein JCL-1; MAGE-D2 antigen
Species	Human
Expression System	E. coli
Accession	Q9UNF1
Molecular Weight	Predictes a molecular mass of 27.88 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 29 kDa band.

Product Information

Sequence Region	276-505
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 276-505 aa (Q9UNF1) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Recombinant Human Melanoma-associated antigen D2 (MAGED2) Fragment (aa 276-505) is a high-purity protein designed for studying the MAGE domain's role in regulating sodium chloride cotransporters, offering researchers a precise tool to investigate renal salt reabsorption mechanisms. Melanoma-associated antigen D2 (MAGED2), encoded by the MAGED2 gene, plays a critical role in renal physiology by regulating the expression, plasma membrane localization, and function of sodium chloride cotransporters SLC12A1 and SLC12A3. These cotransporters are essential for salt reabsorption in the distal renal tubule, highlighting MAGED2's significance in maintaining electrolyte balance and its potential implications in related disorders.