

# Product Datasheet

## Recombinant Human ME2 His (C-Term) Protein NBP2-34980-5ug

Unit Size: 5ug

Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.

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**NBP2-34980-5ug**

## Recombinant Human ME2 His (C-Term) Protein

Product Information	
Unit Size	5ug
Concentration	Lyoph
Storage	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
Preservative	No Preservative
Reconstitution Instructions	Recommended to centrifuge prior to opening. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0mg/mL.
Purity	>95%, by SDS-PAGE and HPLC
Buffer	Lyophilized from a 0.2 um filtered concentrated solution in PBS, pH 7.4.
Target Molecular Weight	64.4 kDa

Product Description	
Description	<p>A single non-glycosylated polypeptide chain containing 573 amino acids corresponding to ME2 with 6x His at C-terminus <b>Source:</b> <i>E. coli</i></p> <p><b>Uniprot ID:</b> P23368</p> <p><b>Amino Acid Sequence:</b> MLHIKEKGKP LMLNPRTNKG MAFTLQERQM LGLQGLLPPK IETQDIQALR FHRNLKKMTS PLEKYIYIMG IQERNEKLFY RILQDDIESL MPIVYTPTVG LACSQYGHIF RRPKGLFISI SDRGHVRSIV DNWPENHVKA VVVDGERIL GLGDLGVYGM GIPVGKLCLY TACAGIRPDR CLPVCIDVGT DNIALLKDPF YMGLYQKRDR TQQYDDLIDE FMKAITDRYG RNTLIQFEDF GNHNAFRFLR KYREKYCTFN DDIQGTAAVA LAGLLAAQKV ISKPISEHKI LFLGAGEAAL GIANLIVMSM VENGLSEQEA QKKIWMFDKY GLLVKGRKAK IDSYQEPFTH SAPESIPDTF EDAVNILKPS TIIGVAGAGR LFTPDVIRAM ASINERPVI ALSNPTAQAE CTAEAYTLT EGRCLFASGS PFGPVKLT DG RVFTPGQGNN VYIFPGVALA VILCNTRHIS DSVFLEAAKA LTSQLTDEEL AQGRLYPPLA NIQEVSNIA IKVTEYLYAN KMAFRYPEPE DKAKYVKERT WRSEYDSLLP DVEWPESEAS SPPVITEHHH HHH</p>
Gene ID	4200
Gene Symbol	ME2
Species	Human
Details of Functionality	Malic Enzyme activity was assayed spectrophotometrically at 340nm as described in Mandela and Sauer (1975). The standard reaction mixture contained 50 mM Tris-HCl, 3 mM MnCl <sub>2</sub> , 5 mM malate, 0.12 mM NADP <sup>+</sup> , 2.5 mM fumarate. Assay was performed in a Beckman spectrophotometer. The Km value is 1.5 +/- 0.6 mM.
Endotoxin Note	Less than 1 EU/ug of ME2 as determined by LAL method.

Product Application Details	
Applications	SDS-Page, Bioactivity
Recommended Dilutions	SDS-Page, Bioactivity



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### **Products Related to NBP2-34980-5ug**

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NBP1-82434PEP	ME2 Recombinant Protein Antigen
NB400-114	Fatty Acid Synthase/FASN Antibody
NBP1-89559	ME2 Antibody
MAB1417	Insulin Antibody (182410) [Unconjugated]

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### **Limitations**

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