

MREG, 1-214aa Human, His tag, E.coli

Cat.NO.: TP03016

3th Edition

Synonyms:Melanoregulin, DSU, WDT2

Description:Melanoregulin, also known as MREG, is thought to play a role in membrane fusion and in regulating the biogenesis of disk membranes of photoreceptor rods. MREG is expressed in photoreceptor cells as two isoforms due to alternative splicing. MREG interacts with Peripherin-2, a photoreceptor specific tetraspanin protein that is required to maintain normal cell structure during the renewal process of membrane fusion. Recombinant human MREG protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Molecular Weight:27.3 kDa (237aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMGLRDWLRTVCCCCGCECLEERALPEKEPLVSDNNPYSSFGATLVRDDEK
NLWSMPHDVSHTEADDDRTLNLIVIRNQQAKDSEEWQKLNIDIHTLRQVRREVRNRWKCILEDLGFQKEADSLLS
VTKLSTISDSKNTRKAREMLLKLAEETNIFPTSWELSERYLFVVDRLIALDAAEEFFKLARRTYPKKPGVPCLADGQK
ELHYLPFPSP

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by BCA assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.