

Recombinant Human melanoregulin, His-tagged

Cat. No. MREG-485H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MREG, 1-214aa Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-214 a.a.
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 Mass	27.3 kDa (237aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMGLRDWL RTVCCCCGCE CLEERALPEK EPLVSDNNPY SSFGATLVRD DEKNLWSMPH DVSHT EADDD RTLYNLIVIR NQQAKDSEEW QKLNYDIHTL RQVRREVRNR WKCILEDLGF QKEADSLLSV TKLSTISDSK NTRKAREMLL KLAETNIFP TSWELSERYL FVVDRLIALD

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AAEEFFKLAR RTYPKKPGVP CLADGQKELH YLPFPSP

Purity >90% by SDS - PAGE

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

Concentration 0.5 mg/ml (determined by BCA assay)

GENE INFORMATION

Gene Name MREG melanoregulin [Homo sapiens]

Official Symbol MREG

Synonyms MREG; melanoregulin; DSU; FLJ10116; WDT2; whn-dependent transcript 2; dilute suppressor protein homolog; MGC90296;

Gene ID 55686

mRNA Refseq NM_018000

Protein Refseq NP_060470

MIM 609207

UniProt ID Q8N565

Chromosome Location 2q35

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