

Product information



MREG, 1-214aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2582

Full name: Melanoregulin

NCBI Accession No.: NP_060470

Synonyms: DSU, WDT2

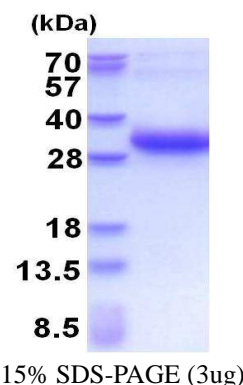
Description: Melanoregulin, also known as MREG, is thought to play a role in membrane fusion and in regulating the biogenesis of disk membranes of photoreceptor rods. MREG is expressed in photoreceptor cells as two isoforms due to alternative splicing. MREG interacts with Peripherin-2, a photoreceptor 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

Purity: > 90% by SDS - PAGE

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



Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MGSMGLRDWL RTVCCCGCE CLEERALPEK EPLVSDNNPY SSFGATLVRD DEKNLWSMPH DVSHTAADD
RTLYNLIVIR NQQAQDSEEW QKLNVDIHTL RQVRREVRNR WKCILEDLGF QKEADSLLSV TKLSTISDSK NTRKAREMLL KLAETNIFP
TSWELSERYL FVVDRLIALD AAEEFFKLAR RTYPKPKGVP CLADGQKELH YLPFPSP

General references:

Loewen C J., *et al.* (2003) *Mol Biol Cell.* 14: 3400-3413.

Roof D J., *et al.* (1982) *J Cell Biol.* 95: 501-509.

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

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