

## Recombinant Human DRG2 protein, His-tagged

**Cat. No.** DRG2-3980H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human DRG2 protein(1-364 aa), fused to His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 1-364 aa                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.                                                                                                             |
| <b>AA Sequence</b>      | MGILEKISEIEKEIARTQKNKATEYHLGLLKAKLAKYRAQLLEPSKSASSKGEGFDVM<br>KSGDARVALIGFPSVGKSTFLSLMTSTASEAASYEFTTLTCIPGVIEYKGANIQLLDLP<br>GIIEGAAQGKGRGRQVIARTADVIMMLDATKGEVQRSLLKELESVGIRLNKHKP<br>NIYFKPKKGGGISFNSTVMLTQCSEKLVQLLHEYKIFNAEVLFREDCSPDEFIDVIVG<br>NRVYMPCLYVYNKIDQISMEEVDRLARKPNSVVISCGMKLNLDYLLEMLWEYLALTCI<br>YTKKRGRQRPDFTDAIILRKASVEHVCHRIHRSLASQFKYALVWGTSTKYSPQRVGL<br>THTMEHEDVIQIVKK |
| <b>Purity</b>           | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                                                                                                                                        |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks).<br>Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer                                                                                                                                                                                                                                                        |

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containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

**Reconstitution**

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.  
Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

## GENE INFORMATION

|                 |                                                                                                         |
|-----------------|---------------------------------------------------------------------------------------------------------|
| Gene Name       | DRG2 developmentally regulated GTP binding protein 2 [ Homo sapiens ]                                   |
| Official Symbol | DRG2                                                                                                    |
| Synonyms        | DRG2; developmentally regulated GTP binding protein 2; developmentally-regulated GTP-binding protein 2; |
| Gene ID         | 1819                                                                                                    |
| mRNA Refseq     | NM_001388                                                                                               |
| Protein Refseq  | NP_001379                                                                                               |
| MIM             | 602986                                                                                                  |
| UniProt ID      | P55039                                                                                                  |

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