

# Recombinant Full Length Human GJD4 Protein

**Cat. No.** GJD4-5299HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human GJD4 full-length ORF (AAI60130.1) recombinant protein without tag.                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | 665 amino acids                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Description</b>      | Connexins, such as GJD4, are involved in the formation of gap junctions, intercellular conduits that directly connect the cytoplasm of contacting cells. Each gap junction channel is formed by docking of 2 hemichannels, each of which contains 6 connexin subunits (Sohl et al., 2003 [PubMed 12881038]).[supplied by OMIM]                                                                            |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Molecular Mass</b>   | 40.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>AA Sequence</b>      | MEGVDLLGFLIITLNCNVTMVGKLVFVLTMLLRMLVIVLAGRPVYQDEQERFVCNTL<br>QPGCANVCYDVFSPVSHLRFWLIQGVCVLLPSAVFSVYVLHRGATLAALGPRRCPD<br>PREPASGQRRCPRPFGGERGGLQVPDFSAGYIIHLLLRTLLEAAFGALHYFLFGFLAP<br>KKFPCTRPPCTGVVDCYVSRPTEKSLMLFLWAVSALSFLGLADLVCSLRRRMRR<br>RPGPPTSPSIRKQSGASGHAEGRRRTDEEGGREEEGAPPPGARAGGEGAGSPRR<br>TSRVSGHTKIPDEDESEVTSSASEKLGRQPRGRPHREAAQDPRGSGSEEQPSAAP<br>SRLAAPPSCSSLQPPDPPASSSGAPHLRARKSEWV |

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|-----------------------|--------------------------------------------------------------------------|
| <b>Applications</b>   | Antibody Production<br>Functional Study<br>Compound Screening            |
| <b>Notes</b>          | Best use within three months from the date of receipt of this protein.   |
| <b>Storage</b>        | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| <b>Storage Buffer</b> | 25 mM Tris-HCl of pH8.0 containing 2% glycerol.                          |

## GENE INFORMATION

|                        |                                                                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | GJD4 gap junction protein, delta 4, 40.1kDa [ Homo sapiens ]                                                                                            |
| <b>Official Symbol</b> | GJD4                                                                                                                                                    |
| <b>Synonyms</b>        | GJD4; gap junction protein, delta 4, 40.1kDa; gap junction delta-4 protein; connexin 40.1; CX40.1; FLJ90023; connexin40.1; connexin-40.1; RP11-425A6.2; |
| <b>Gene ID</b>         | 219770                                                                                                                                                  |
| <b>mRNA Refseq</b>     | NM_153368                                                                                                                                               |
| <b>Protein Refseq</b>  | NP_699199                                                                                                                                               |
| <b>MIM</b>             | 611922                                                                                                                                                  |
| <b>UniProt ID</b>      | Q96KN9                                                                                                                                                  |

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