

## Product datasheet for TP509470

### Grhl1 (NM\_001161406) Mouse Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Mouse grainyhead like transcription factor 1 (Grhl1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
<b>Species:</b>	Mouse
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>MR209470 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MTQEYDNKRPLVVLQNEALYPQRRSYTSEDEAWKSFLENPLTAATKAMMSINGDEDSAAALGLLYDYKVP  
PRERRSSAVKPEGEHPEPEHSKRNSIPNVTEQPLISAGENRVQLKNVFNIVLPHSNQLGIDKRGHLTA  
PDTTVTVSIATMPTHSIKTEIQPHGFAVGIPPAVYHSEPTERVVFDRLSTDQFSSGTQPPNAQRRTPD  
STFSETFKEGVQEVFFPSELRLMPGMNSEDYVFDNVSGNNFEYTLKASKSLRQKQGDSTMTYLNKGQFY  
PVTLKEGSSNEGIIHPISKVRSVIMVFAEDKSREDQLRHWKYWHSRQHTAKQRCIDIADYKESFNTISN  
IEEIAYN AISFTWDINDEAKVFISVNLSTDFSSQKGVKGLPLNIQIDTYSYNNRSNKPVHRAYCQIKVF  
CDKGAERKIRDEERKQSKRKVSDVKVQLLPSHKRTDITVFKPFLDLDTQPVLFIPDVHFTNLQRGSHVLS  
LPSEELEGEVSVLKRGPFGTEDDFGVPPPALKTRTEEPKRVLLYVRKESEEVDALMLKTPSLKGLMEAI  
SDKYDVPHDKIGKIFKKCKKGILVNMDDNIVKHYSNEDTFQLQIEEAGGSYKLTLEI

**SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV**

<b>Tag:</b>	C-MYC/DDK
<b>Predicted MW:</b>	70.2 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C after receiving vials.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_001154878](#)

Locus ID: 195733

UniProt ID: [Q921D9](#)

RefSeq Size: 3487

Cytogenetics: 12 A1.3

RefSeq ORF: 1857

Synonyms: LBP-32; MGR; Tcfcp2l2

**Summary:** Transcription factor involved in epithelial development. Binds directly to the consensus DNA sequence 5'-AACCGGTT-3' (PubMed:18288204, PubMed:21081122). Important regulator of DSG1 in the context of hair anchorage and epidermal differentiation, participates in the maintenance of the skin barrier (PubMed:18288204, PubMed:24586629). There is no genetic interaction with GRHL3 no genetic interaction with GRHL3, no functional cooperativity due to diverse target gene selectivity during epithelia development (PubMed:21081122).  
[UniProtKB/Swiss-Prot Function]