

Recombinant Human GPR161 Protein (1-28 aa), GST-tagged

Cat. No. GPR161-1201H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GPR161 Protein (1-28 aa) is produced by E. coli expression system. This protein is fused with a GST tag at the N-terminal. Research Area: Signal Transduction. Protein Description: Partial.
Species	Human
Source	E.coli
ProteinLength	1-28 aa
Description	Key negative regulator of Shh signaling, which promotes the processing of GLI3 into GLI3R during neural tube development. Recruited by TULP3 and the IFT-A complex to primary cilia and acts as a regulator of the PKA-dependent basal repression machinery in Shh signaling by increasing cAMP levels, leading to promote the PKA-dependent processing of GLI3 into GLI3R and repress the Shh signaling. In presence of SHH, it is roved from primary cilia and is internalized into recycling endosomes, preventing its activity and allowing activation of the Shh signaling. Its ligand is unknown.
Form	Tris-based buffer,50% glycerol
Molecular Mass	30.0 kDa
AA Sequence	MSLNSSLSCRKELSNLTEEEGGEGGVII

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Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

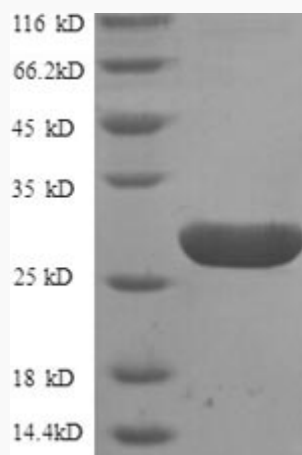
GENE INFORMATION

Gene Name	GPR161 G protein-coupled receptor 161 [Homo sapiens]
Official Symbol	GPR161
Synonyms	GPR161; RE2; FLJ33952;
Gene ID	23432
mRNA Refseq	NM_153832
Protein Refseq	NP_722561
MIM	612250
UniProt ID	Q8N6U8

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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