

Recombinant human Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2

Catalog No: #AP71867

Orders: order@signalwayantibody.com

Package Size: #AP71867-1 20ug #AP71867-2 100ug #AP71867-3 1mg

Support: tech@signalwayantibody.com

Description

| | |
|-----------------------|---|
| Product Name | Recombinant human Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2 |
| Brief Description | Recombinant Protein |
| Host Species | E.coli |
| Purification | Greater than 90% as determined by SDS-PAGE. |
| Immunogen Description | Expression Region:21-327aaSequence Info:Partial |
| Other Names | G protein subunit beta-2Transducin beta chain 2 |
| Accession No. | P62879 |
| Uniprot | P62879 |
| GeneID | 2783; |
| Calculated MW | 60.4 kDa |
| Tag Info | N-terminal GST-tagged |
| Target Sequence | ARKACGDSTLTQITAGLDPVGRIQMRTRRTLRGHLAKIYAMHWGTDSSRLVLSASQDGKLIWDSYTTNKVHAIP LRSSWVMTCAYPAGSNFVACGGLDNICSIYSLKTRREGNVRVSRELPGHTGYLSCCRFLDDNQIITSSGDTTCA LWDIETGQQTVGFAGHSGDVMSLSLAPDGRTFVSGACDASIKLWDVDRDSMCRQTFIGHESDINAVAFFPNGY AFTTGSDDATCRLFDLRADQELLMYSHDNIICGITSVAFSRSGRLLLAGYDDFNCNIWDAMKGDRAVLGHD NRVSCLGVTDDGMAV |
| Formulation | Tris-based buffer50% glycerol |
| 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°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |

Background

Guanine nucleotide-binding proteins (G proteins) are involved as a modulator or transducer in various transmembrane signaling systems. The beta and gamma chains are required for the GTPase activity, for replacement of GDP by GTP, and for G protein-effector interaction.

References

The DNA sequence of human chromosome 7.Hillier L.W., Fulton R.S., Fulton L.A., Graves T.A., Pepin K.H., Wagner-McPherson C., Layman D., Maas J., Jaeger S., Walker R., Wylie K., Sekhon M., Becker M.C., O'Laughlin M.D., Schaller M.E., Fewell G.A., Delehaunty K.D., Miner T.L., Nash W.E., Cordes M., Du H., Sun H., Edwards J., Bradshaw-Cordum H., Ali J., Andrews S., Isak A., Vanbrunt A., Nguyen C., Du F., Lamar B., Courtney L., Kalicki J., Ozersky P., Bielicki L., Scott K., Holmes A., Harkins R., Harris A., Strong C.M., Hou S., Tomlinson C., Dauphin-Kohlberg S., Kozlowicz-Reilly A., Leonard S., Rohlfing T., Rock S.M., Tin-Wollam A.-M., Abbott A., Minx P., Maupin R., Strowmatt C., Latreille P., Miller N., Johnson D., Murray J., Woessner J.P., Wendl M.C., Yang S.-P., Schultz B.R., Wallis J.W., Spieth J., Bieri T.A., Nelson J.O., Berkowicz N., Wohldmann P.E., Cook L.L., Hickenbotham M.T., Eldred J., Williams D., Bedell J.A., Mardis E.R., Clifton S.W., Chisoe S.L., Marra M.A., Raymond C., Haugen E., Gillett W., Zhou Y., James R., Phelps K., Iadonoto S., Bubb K., Simms E., Levy R., Clendenning J., Kaul R., Kent W.J., Furey T.S., Baertsch R.A.,

Note: This product is for in vitro research use only